CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS.

220 Broadway, New York, July 12, 1906.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
July				
*13	Bridge	Brandon, Man.	P. & S.	6-14
14	Underground cables.	Phila., Pa.	S.	6-28
16	Pumping machinery.	Framingham, Mass.	S. & B. S.	7- 5
*16	Dredging.	Biloxi, Miss.	S.	6-21
*16	Water-works.	Spring Lake, Mich.	S. & B. S.	7-12
*17	Excavating, concrete wall.	Ithaca, N. Y.	S.	7- 5
*19	Dam.	Lancaster, Pa.	P., S. & B. S.	7-12
*19	Sewers.	Lancaster, Pa.	P., S. & B. S.	7-12
*19	Concrete sewer.	Lancaster, Pa.	P. & S.	6-21
*19	Dredging.	Boston, Mass.	P., S. & B. S.	6-21
21	Air compressors.	Charleston, S. C.	S.	6-28
*24	Steel bars.	Billings, Mont.	S.	6-21
28	Power-house.	Charleston, S. C.	S.	7-12
*30	Sewers.	Morris, Minn.	P. & S.	7-12
*31	Canal.	Browning, Mont.	S.	6- 7
Aug.				
*2	Reservoir.	Altoona, Pa.	S. & B. S.	6-21
4	Power plant mchny.	Norfolk, Va.	S.	7-12
4	Chimney.	New Orleans, La.	S.	7-12
7	Pumping plant.	Billings, Mont.	P., S. & B. S.	7- 5
*30	Tunnel.	Salt Lake City, Utah.	P., S. & B. S.	6-21
Sept.				
15	Hotel bldg.	Manila, P. I.	S.	3-29

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Bids close.	Work.	Place.	On file.	See issue.
July 12	Power plant	Washington, D. C.	July 5	
July 12	Power-house	Washington, D. C.	July 5	
July 17	Wiring system	Laredo, Tex.	June 21	
	Advertised, Eng. News, June 21 and 28.			
July 20	Elec. plant, water-works	Ottawa, Kans.	July 5	
	Advertised, Eng. News, July 5 and 12.			
July 21	Gas supplies, Medicine Hat, Alta.		July 5	
July 21	Equipment	Charleston, S. C.	July 12	
July 23	Light plant	Cartersville, Ga.	July 12	
July 26	Heating	Portland, Ore.	July 12	
July 30	Lighting fixtures, Fortress Monroe, Va.		July 5	
	Advertised, Eng. News, July 5 to 26.			
July 30	Power plant, Idaho Falls, Idaho.		July 5	
	Advertised, Eng. News, July 5 and 12.			
Aug. 1	Lighting plant	Glasgow, Mont.	July 12	
	Advertised, Eng. News, July 12 to 26.			
Aug. 14	Elec. apparatus	Williston, N. Dak.	July 12	
	Advertised, Eng. News, July 12 to 26.			
Sept 18	Lighting	Pottsville, Pa.	July 12	

BRIDGES.

July 13	Steel bridge	Brandon, Man.	June 14	
	Advertised, Eng. News, June 14 to 28.			
July 16	Two bridges	Portsmouth, Ohio.	June 21	
July 16	Piers	Cornwall, Ont.	July 5	
July 16	Bridge	San Jose, Cal.	July 12	
July 18	Seven bridges	Cornwall, Ont.	June 14	
July 19	Bridge	West Newton, Pa.	July 12	
July 20	Bridge	Troy, Ohio.	July 12	
July 20	Bridge	Toledo, Ohio	July 12	
July 20	Five bridges	Duluth, Minn.	July 12	
July 23	Bridges	St. Clairsville, Ohio.	July 12	
July 24	Bridge	Monticello, Ill.	July 12	
July 25	Steel approach	Lyons, Iowa.	July 12	
	Advertised, Eng. News, July 12.			
July 25	Bridges	Albany, N. Y.	July 5	
July 30	Superstructure	Cincinnati, Ohio.	July 12	
Aug. 1	Draw	Gardiner, Me.	July 12	
Aug. 13	Two bridges	Topeka, Kans.	July 12	

BUILDINGS.

July 14	Building	Seattle, Wash.	June 14	
July 14	Brick	Washington, D. C.	June 28	
	Advertised, Eng. News, June 28 to July 12.			
July 14	Court-house	Monticello, Ga.	July 12	
July 16	Depot	Wheeling, W. Va.	July 12	
July 16	Jail	Benicia, Cal.	July 12	
July 23	Lightkeepers dwelling, etc.	Phila., Pa.	July 5	
	Advertised, Eng. News, July 5 and 12.			
July 23	Buildings	Jackson, Miss.	July 12	
July 25	Hot water	Rochester, N. Y.	July 12	
	Advertised, Eng. News, July 12.			
July 30	Reconstruction	Albany, N. Y.	July 12	
	Advertised, Eng. News, July 12 and 19.			
Aug. 6	Employees' building	Rome, N. Y.	July 12	
	Advertised, Eng. News, July 12 to 26.			
Aug 7	Six buildings	Jackson, Miss.	July 12	
Sept. 15	Hotel	Manila, P. I.	Mar. 29	

WATER SUPPLY AND IRRIGATION.

July 12	Water system	Carencro, La.	June 14
July 12	Water-works	Shelby, Miss.	June 28
	Advertised, Eng. News, June 28 and July 5.		
July 13	Pipe	Dufur, Ore.	July 5
July 14	Pipe system	New Philadelphia, Ohio.	June 21
July 16	Water system	Spring Lake, Mich.	June 28
	Advertised, Eng. News, June 28 to July 12.		
July 16	Water-works	Eyota, Minn.	July 5
July 16	Water-works	Denver, Iowa.	July 12
	Advertised, Eng. News, July 12.		
July 16	Pipe, etc.	Owensboro, Ky.	July 12
July 17	Reservoir and dam	Warrenton, Va.	July 12
	Advertised, Eng. News, July 12.		
July 17	Gasolene engine	De Pere, Wis.	July 12
July 17	Laying pipe	Dayton, Ohio.	July 5
	Advertised, Eng. News, July 5 and 12.		
July 18	Pumping station, etc.	Columbus, Ohio.	June 21
	Advertised, Eng. News, June 21 to July 5.		
July 19	Dam	Lancaster, Pa.	June 21
	Advertised, Eng. News, June 21 and 28.		
July 21	Water meters	Washington, D. C.	July 5
	Advertised, Eng. News, July 5 and 12.		
July 23	Water-works	Logan, Kans.	July 12
July 23	Water-works	Biwabik, Minn.	July 12
July 24	Water-works	Port Elgins, Ont.	July 12
July 25	Water-works	Lebanon, Kans.	July 12
July 25	Pumping engines	New York, N. Y.	July 12
July 26	Water-works material	Jackson, Ga.	July 12
July 28	Machinery	Perrysburg, Ohio.	July 12
	Advertised, Eng. News, July 12 and 19.		
Aug. 1	Filter plant	Philadelphia, Pa.	July 12
	Advertised, Eng. News, July 12 to 26.		
Aug. 1	Water-works	Glasgow, Mont.	July 12
	Advertised, Eng. News, July 12 to 26.		
Aug. 1	Water-works	Glasgow, Mont.	June 21
Aug. 1	Artesian wells, Famagusta, Egypt.		May 31
	Advertised, Eng. News, May 31 to June 21.		
Aug. 2	Storage reservoir	Altoona, Pa.	June 21
	Advertised, Eng. News, June 21 to July 19.		
Aug. 6	Pumping engines	Orange, N. J.	July 12
	Advertised, Eng. News, July 12.		
Aug. 7	Pumping plant	Billings, Mont.	June 21
	Advertised, Eng. News, June 21 to July 5.		
Sept. 5	Two reservoirs	New Orleans, La.	June 21
	Advertised, Eng. News, June 21 to Aug. 30.		
Oct. 15	Water-works	Rio Grande do Sul, Brazil.	May 31

SEWERAGE.

July 12	Outlet	Cleveland, Ohio.	June 28
July 12	Sewers	Shelby, Miss.	June 28
	Advertised, Eng. News, June 28 and July 5.		
July 12	Sewer system	Cambridge, Ohio.	July 5
July 12	Sewer	Cleveland, Ohio.	July 5
July 12	Sewer	New York, N. Y.	July 5
July 13	Sewers	Pipestone, Minn.	July 5
July 13	Sewers	Elgin, Ill.	July 5
	Advertised, Eng. News, July 5.		
July 13	Sewer	Youngstown, Ohio.	July 5
July 13	Sewers	Madison, Wis.	June 28
July 14	Sewers	Marianna, Ark.	June 28
July 16	Sewer pumps	Framingham, Mass.	June 28
	Advertised, Eng. News, June 28.		
July 16	Sewers	Dixon, Ill.	July 5
July 16	Sewer	Painsville, Ohio.	July 5
July 16	Sewers	Albany, N. Y.	July 12
July 16	Sewers	Oskaloosa, Iowa.	July 12
July 17	Sewer plans	Monroe, Wash.	July 12
July 17	Sewers	Buffalo, N. Y.	July 12
July 17	Sewers	Kendallville, Ind.	July 12
July 17	Storm sewer	Chicago, Ohio.	July 5
	Advertised, Eng. News, July 5 and 12.		
July 18	Sewers	New York, N. Y.	July 5
July 18	Sewers	New York, N. Y.	July 5
July 18	Sewers	Fort Smith, Ark.	June 28
	Advertised, Eng. News, June 28 and July 5.		
July 19	Concrete sewer	Lancaster, Pa.	June 21
	Advertised, Eng. News, June 21 and 28.		
July 19	Sewers	Elgin, Ill.	July 12
July 19	Sewers	Cambridge, Ohio.	July 12
July 19	Sewer	Coshocton, Ohio.	July 12
July 20	Sewers	New York, N. Y.	July 12
July 20	Sewers	McPherson, Kans.	July 5
July 23	Sewers	Biwabik, Minn.	June 23
July 25	Sewers	Radford, Va.	July 12
July 25	Sewers	New York, N. Y.	July 12
July 26	Sewers	New Bremen, Ohio	July 12
July 26	Sewers	Cincinnati, Ohio.	July 12
July 30	Sewers	South Omaha, Nebr.	July 12
	Advertised, Eng. News, July 12 and 19.		
Aug. 3	Sewers	Malden, Mass.	July 12
	Advertised, Eng. News, July 12.		
Aug. 4	Sewers	Ogden, Utah.	July 12
Sept. 7	Sewer gates	Manila, P. I.	July 5
	Advertised, Eng. News, July 5 to Aug. 23.		
No date.	Sewers	Indianapolis, Ind.	July 12

STREETS AND ROADS.

July 11	Macadam	Freehold, N. J.	June 21
	Advertised, Eng. News, June 21 to July 5.		
July 11	Improvement	Delaware, Ohio	June 21
July 11	Grading, etc.	Kenton, Ohio.	June 28
July 11	Gravel roads	Concord, N. H.	June 28
July 11	Grading	Concord, N. H.	July 5
July 12	Grading, etc.	New York, N. Y.	June 28
July 13	Paving	Youngstown, Ohio.	July 12
July 14	Paving	Fond du Lac, Wis.	July 12
July 14	Sidewalks	North Bay, Ont.	July 12
July 14	Improvement	Baltimore, Md.	June 28
July 14	Macadam	Claremont, N. H.	July 5
July 14	Grading	Washington, D. C.	July 5
	Advertised, Eng. News, July 5 and 12.		
July 16	Paving	Danville, O.	July 5
July 16	Grading	Ashland, Ohio.	July 5
July 16	Paving	South Orange, N. J.	July 5
	Advertised, Eng. News, July 5.		
July 16	Paving	Albany, N. Y.	July 12
July 16	Paving	Montgomery, Ala.	July 12
July 16	Paving	Norristown, Pa.	July 12
July 16	Flagging	Westfield, N. J.	July 12
July 16	Grading, etc.	Cincinnati, Ohio.	July 12
July 16	Street improvements	Albany, N. Y.	July 12
July 17	Paving	Buffalo, N. Y.	July 12
July 17	Road repairs	Paterson, N. J.	July 12
July 17	Road work	Tampa, Fla.	July 12
July 18	Grading, etc.	New York, N. Y.	July 12
July 18	Paving, etc.	Green Island, N. Y.	July 5
	Advertised, Eng. News, July 5 and 12.		
July 18	Paving	Fort Smith, Ark.	June 28
	Advertised, Eng. News, June 28 and July 5.		
July 18	Improvements	Delaware, Ohio	June 28
July 19	Paving	Phoebus, Va.	July 5
	Advertised, Eng. News, July 5 and 12.		
July 19	Paving	Elgin, Ill.	July 12
July 19	Paving	Coshocton, Ohio	July 12
July 20	Paving	Washington, D. C.	July 12
	Advertised, Eng. News, July 12.		
July 20	Grading, etc.	Cincinnati, Ohio.	July 12
July 20	Paving	Janesville, Wis.	July 5
July 20	Stone roads	New Brunswick, N. J.	July 5
July 23	Improvements	Canton, Ohio.	July 5
July 23	Paving	Jamestown, N. Y.	July 12
	Advertised, Eng. News, July 12.		
July 24	Grading, etc.	New York, N. Y.	July 12
July 25	Paving	Tamaqua, Pa.	July 25
	Advertised, Eng. News, July 12 and 19.		
July 25	Paving	New York, N. Y.	July 12
July 25	Paving	Moundsville, W. Va.	July 12
July 25	Paving	Donaldsonville, La.	July 12
July 26	Grading, etc.	Cincinnati, Ohio.	July 12
July 27	Roads	Pittsburg, Pa.	July 12
July 27	Walks, etc.	Fortress Monroe, Va.	June 28
	Advertised, Eng. News, June 28 to July 19.		
July 30	Paving, etc.	Cincinnati, Ohio.	July 12
Aug. 1	Paving	Peekskill, N. Y.	July 5
	Advertised, Eng. News, July 5.		
Aug. 3	Paving	Petersburg, Va.	July 12
	Advertised, Eng. News, July 12 to 26.		
No date.	Paving	Oswego, N. Y.	July 5

MISCELLANEOUS CONTRACTS.

At once.	Excavation, steam shovel	Brooklyn, N. Y.	July 12
	Advertised, Eng. News, July 12 to 26.		
July 11	Canal	Cody, Wyo.	June 21
	Advertised, Eng. News, June 21 to July 5.		
July 11	Butterfly dam	Chicago, Ill.	May 17
	Advertised, Eng. News, May 17.		
July 11	Dredging	Detroit, Mich.	June 14
	Advertised, Eng. News, June 14 to July 5.		
July 11	Excavation	Sandusky, Ohio.	July 5
July 12	Railway ties	Ottawa, Ont.	July 5
July 12	Rebuilding locks	Columbus, Ohio.	June 21
	Advertised, Eng. News, June 21 to July 5.		
July 12	Portland cement	Columbus, Ohio.	June 21
	Advertised, Eng. News, June 21 to July 5.		
July 14	Canals	Leesburg, Fla.	June 28
July 14	Drain	Rogers, N. Dak.	June 28
July 16	Dredging	Biloxi, Miss.	July 12
	Advertised, Eng. News, June 21 to July 12.		
July 16	Monument	Palestine, Tex.	June 21
July 16	Railway	Cairo & Thebes.	June 14
	Advertised, Eng. News, July 5 and 12.		
July 17	Concrete walls	Ithaca, N. Y.	July 5
	Advertised, Eng. News, July 5.		
July 18	Dredging	New York, N. Y.	July 12
July 19	Dredging	Boston, Mass.	June 21
	Advertised, Eng. News, June 21 to July 12.		
July 19	Concrete dam	Roscoe, Ohio.	June 21
	Advertised, Eng. News, June 21 to July 5.		
July 19	Dredging	Roscoe, Ohio.	June 21
	Advertised, Eng. News, June 21 to July 5.		
July 20	Breakwater	Culloden, N. S.	July 12
July 21	Wharf	Poirierville, N. S.	July 12
July 21	Air compressors	Charleston, S. C.	June 28
July 23	Ditch	Spirit Lake, Iowa.	July 5
July 24	Steel	Olongapo, P. I.	June 28
July 24	Steel bars	Billings, Mont.	June 21
	Advertised, Eng. News, June 21 to July 5.		
July 24	Canal widening	Detroit, Mich.	June 7
	Advertised, Eng. News, June 7.		
July 24	Concrete-steel arch dam	Prattville, Ala.	July 12
	Advertised, Eng. News, July 12 and 19.		
July 25	Construction work	Whitefish, Mont.	July 12
	Advertised, Eng. News, July 12 and 19.		
July 25	Canal	Albany, N. Y.	June 28
July 27	Repairing dam	Cincinnati, Ohio.	June 28
	Advertised, Eng. News, June 28 to July 19.		
July 27	Elec. railway	Hamilton, Ont.	July 12
	Advertised, Eng. News, July 12.		
July 27	Improving creeks	Albany, N. Y.	July 12
	Advertised, Eng. News, July 12 to 26.		
July 30	Dredging, etc.	Los Angeles, Cal.	July 12
	Advertised, Eng. News, July 12 and 19.		
July 30	Pile piers	Manitowoc, Wis.	July 5
	Advertised, Eng. News, July 5 and 12.		
July 31	Canal	Browning, Mont.	June 7
	Advertised, Eng. News, June 7 to July 5.		
Aug. 3	Canal	Port Huron, Mich.	July 12
	Advertised, Eng. News, July 12 and 19.		
Aug. 3	Corral fences	Ft. Ethan Allen, Vt.	July 12
	Advertised, Eng. News, July 12 to 26.		
Aug. 5	Destructors	Edmonton, Alta.	July 5
	Advertised, Eng. News, July 5 and 12.		
Aug. 7	Pumping plant	Billings, Mont.	June 21
	Advertised, Eng. News, June 21 to July 19.		
Aug. 9	Levee	Memphis, Tenn.	July 12
	Advertised, Eng. News, July 12 to Aug. 2.		
Aug. 13	Granite posts, etc.	Newport News, Va.	July 12
	Advertised, Eng. News, July 12 and 19.		
Aug. 23	Grading, steel bars	Billings, Mont.	July 12
	Advertised, Eng. News, July 12 to 26.		
Aug. 30	Canals, etc.	Williston, N. Dak.	July 12
	Advertised, Eng. News, July 12 to 26.		
Aug. 30	Tunnel	Boston, Mass.	June 21
	Advertised, Eng. News, June 21 to July 26.		
Aug. 30	Tunnel	Salt Lake City, Utah.	June 21
Sept. 4	Railway supplies	Siam (Foreign)	Apr 26
	Advertised, Eng. News, Apr. 26.		
Sept. 4	Cars	Bangkok, Siam.	May 31
	Advertised, Eng. News, May 3 and 10.		
Sept. 4	Railway ties	Ottawa, Ont.	July 5
Sept. 12	Locomotives	Bangkok, Siam	May 31
	Advertised, Eng. News, May 3 and 10.		
Oct. 1	Lock	Donaldsonville, La.	July 5
	Advertised, Eng. News, July 5 to Sept. 27.		
Oct 15	Drains	Rio Grande do Sul, Brazil.	May 31
Oct. 15	Steel sheds	Manila, P. I.	July 5
No date.	Sinking coal shafts	South Fork, Pa.	July 5
	Advertised, Eng. News, July 5 to 26.		
No date.	Filling low lands	Rve, N. Y.	July 12
	Advertised, Eng. News, July 12.		

CIVIL SERVICE EXAMINATIONS.

July 18	Engr. and Miller	Arizona.	June 21
Aug. 8	Surveyor	Philippine Islands.	July 5
Aug. 8	Arch. Draftsman	Tompkinsville, N. Y.	July 5
Aug. 15	Arch. Draftsman	Philippine Islands.	July 5

Proposed Work

ENGINEERING NEWS desires to obtain the EARLIEST POSSIBLE RELIABLE INFORMATION concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

Address, Construction News Department

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATLANTA, BIRMINGHAM & ATLANTIC.—A press report from Chattanooga, Tenn., announces that the capital stock of the Atlanta, Birmingham & Atlantic Railroad has been increased from $14,505,800 to $24,351,400, of which $8,180,700 is preferred and $16,170,700 is common. The funds derived from the sale of the new stock will be used in construction and equipment of the company's various lines. It is proposed to complete the entire system, 629 miles, by July 1, 1907. Geo. D. Wadley is Vice-Pres. and Gen. Mgr., at Atlanta, Ga.

BLUE RIDGE RY.—It is reported that this company will build five or six miles of side tracks. J. R. Anderson is Supt., at Anderson, S. C.

CHICAGO, BURLINGTON & QUINCY.—We are officially informed that the WALSH & JOHNSON CONSTRUCTION CO., of Davenport, Iowa, has been awarded contract and has just commenced work on reconstruction of portions of the Rock Island division between Lynn and Orion and between Rio and Alpha. Work consists of grade reduction and change of alignment. Noted on May 31st.

CHICAGO & NORTHWESTERN.—An exchange announces that the following is an official statement of track laid on extensions of this system since January 1: On the Milwaukee & State Line Ry., under construction between Lake Bluff, Ill., and St. Francis, Wis., track laid since January 1, 20.05 miles, making 37 miles completed to date. Manitowoc, Green Bay & Northwestern, on line between Manitowoc and Green Bay, Wis., track laid since January 1, 15.18 miles, making 33.85 miles completed to date. Wyoming & Northwestern, track laid since January 1 from end of 1905 track to Shoshoni, Wyo., 62.11 miles, making a total of 102.8 miles completed to date. This line is being extended from Shoshoni to Lander, 46 miles. Track is being laid in both directions on the Pierre, Rapid City & Northwestern, which is under construction from Pierre to Rapid City, S. Dak., 166 miles. Projected work was noted in Engineering News on June 21st.

CORVALLIS & EASTERN.—Wallis Nash, Pres. of the Portland (Ore.) Board of Trade, announces that work upon the extension of the Corvallis & Eastern Ry. across the Cascade Mountains to Eastern Oregon will begin in the near future. It is said that an independent railroad is to be constructed from Portland to connect with the Corvallis & Eastern at Mehama.

CANADIAN PACIFIC.—R. Marpole, Gen. Supt. of Pacific Division, at Vancouver, according to the Vancouver "World," has announced that work will be commenced at once on the extension from Coutlee, the present terminal, to Nicola Lake, six miles.

FRISCO LUMBER CO.—It is said that W. A. Priddie, of the Frisco Lumber Co., Sour Lake, Tex., is interested in plan to build two miles of steel tramroad.

GEORGIA CENTRAL & GULF.—This company has been chartered in Georgia to build a line from Albany, Ga., through Quincy, Fla., to Appalachicola, Fla., a distance of 75 miles, and will traverse the counties of Dougherty, Baker, Miller and Decatur, running through one of the richest portions of the state. The entire mileage of the new road will be 157 miles, and will do much toward developing that part of Georgia. The main offices will be at Savannah. The charter states that the road will be capitalized at $10,000, with the right of incorporation for 101 years. Work, it is said, will begin immediately. Among the incorporators are President J. F. Hanson of the Central of Georgia; Vice-President, A. R. Lawton; W. A. Winburn, Second Vice-Pres.; T. M. Cunningham, Treas.; H. C. Cunningham; T. S. Moise, Gen. Mgr.; W. D. Beymer, Auditor; George H. Richter, Assistant Secretary and C. C. Williams, Secretary. H. M. Steele is Ch. Engr. of the Georgia Central, at Savannah, Ga.

GRAYS HARBOR & COLUMBIA RIVER.—Company has filed articles of incorporation with headquarters at Tacoma, Wash. The capital stock is $1,000,000. The purpose of the company is to construct and maintain a railroad and telegraph line from Kalama in Cowlitz County, westerly through Wahkiakum and Pacific Counties, to a point on the Pacific Ocean, with a connecting line running northward to Grays Harbor. The articles of incorporation also authorize the company to operate steamboats and barges on the Columbia River and vessels on the Pacific Ocean and its bays and inlets. The papers were filed by Chester Thorne and A. F. Albertson, of Tacoma, who are named as trustees, with F. A. Rice, D. A. Young and H. H. Scales.

INTERIOR & WEST VIRGINIA.—Incorporated in West Virginia to build a railroad from the headquarters of Potts Creek on the state line between Giles County, Va., and Monroe County, W. Va., to a point on Potts Creek on the state line between Monroe County, W. Va., and Craig County, Va. It is said that the road is to be built in the interests of the Norfolk & Western. Capital stock, $25,000. Incorporators: L. E. Johnson, Roanoke, Va.; W. G. McDowell, J. J. Doran, T. W. Reath, and G. C. Callihan, of Philadelphia; and G. C. Callihan, Landsdowne, Pa.

KANSAS CITY SOUTHERN.—This company is building a line from Leesville, La., southeast, crossing the Watkins & Gulf Railroad at Oakdale, the Colorado & Southern New Orleans line at Eunice and the Southern Pacific at Crowley. Beyond Crowley the route has not been definitely determined, but if the Kansas City Southern can obtain satisfactory entrance and terminal facilities at New Orleans the new line will have its terminus in that city. The Kansas City Southern has also projected a road from Mena, Ark., east to Hot Springs.

KAMLOOPS & YELLOWHEAD PASS.—It is reported that this company has been granted a charter by the Dominion Government, and will ask for bids soon for the construction of 250 miles of its line from Kamloops, B. C., north to Tete Jaune Cache.

MISSOURI PACIFIC.—E. F. Mitchell, Engr. of Construction, St. Louis, Mo., reports that track has been laid on branches of this system since January 1, as follows: On the branch from Eudora, Ark., to Gilbert, La., 2.59 miles from Eudora southwest. On the Gurdon & Fort Smith branch from a connection with the Arkansas Southwestern Railway one-half mile east of Antoine, Ark., to a point near Caddo Gap, 34 miles, track laid for a distance of 4.95 miles. No track has yet been laid on the Gurdon & Fort Smith Northern, under construction from near Caddo Gap northwest to the Ouachita River, 28 miles, nor on the Springfield Southwestern, which is being built from Springfield, southwest to Crane, Mo., 33 miles.

NEW YORK, PHILADELPHIA & NORFOLK.—The line between Delmar and Cape Charles, Va., may be double-tracked. J. G. Rodgers is Supt., at Cape Charles. Company operates 149 miles.

SOUTHERN RY.—Contract has been awarded to the ASHEVILLE DRAY, FUEL & CONSTRUCTION CO., of Asheville, N. C., for lowering the grade near Canton, N. C.

A press report from Chattanooga, Tenn., states that the Southern Ry. Co. has changed its proposed route from the Lookout Mountain tunnel into the proposed $500,000 passenger station and will erect an elevated road over the town of St. Elmo costing $1,000,000.

A cut-off, two miles long, will be built from a connection with the Middlesboro branch a short distance east of the Lonsdale yard, and will run eastward to a connection with the main line about two miles east of Knoxville. Right-of-way is secured, but contract is not let. W. B. Crenshaw, Principal Assistant Engr., with headquarters at Knoxville, will have charge of the work.

SAN SABA VALLEY.—We are officially advised that the San Saba Valley R. R. Co., which was recently incorporated with a capital of $200,000, is preparing to run preliminary locating survey for a railroad from Antelope Gap, on the Gulf, Colorado & Santa Fe, in Mills County, through Mills, Lampasas, San Saba and McCulloch Counties, by way of San Saba, to Crothers, on the Fort Worth & Rio Grande Ry., a distance of 50 miles. The general office of the company is at San Saba. The directors are John Kelly, T. A. Murray, R. G. Coryell, W. S. Sanderson, J. H. Martin, J. D. Estep, R. M. Ward and E. L. Rector, all of San Saba. Edward Campbell is Pres.

SOUTHERN PACIFIC.—It is reported that the Southern Pacific will relay the Sabine & East Texas Ry. with 75-lb. rails along the entire line from Beaumont to Dallas, Tex. A. V. Kellogg is Engr. Maintenance of Way, Houston, Tex.

Company will build an extension from Beeville to Laredo, Tex. It is stated that the work will begin as soon as the present Gulf Shore extension to Cuero is completed, which will be next month. The road will be about 100 miles long and will probably cross Bee, Live Oak, Mullen, Duval and Webb Counties.

ST. LOUIS & NORTH ARKANSAS.—At meeting of the bondholders' committee of the St. Louis & North Arkansas Railroad held on June 27th at the office of Chairman John Scullin, prior to reorganization of the company, arrangements, financial and otherwise, were made for the extension of the line from Seligman to Neosho for connection with the Kansas City Southern and from Leslie to Helena or Memphis for connection with the Illinois Central, and for a branch to Little Rock. Steps will now be taken for incorporation of the new company in Missouri and Arkansas and the directors and officers to serve for the first year will be elected. A chief engineer is to be selected at once, who will have entire charge of the construction work and contracts will be awarded without delay.

TEXAS.—Contractors are wanted for the construction of 25 miles of standard railroad; important outlet of rich and virgin territory. Payment in bonds on liberal basis. Address Secretary, Room 34, Theater Building, Houston, Texas.

TEXAS CENTRAL.—Company has not yet laid any track on extension from Stamford, Texas, west, owing to the delay in receiving the rails, which were contracted last year for January, February and March delivery, but no delivery was made until May. The grading on the 42-mile extension is about half finished, and it is planned to commence track laying this month. C. H. Sharman is Ch. Engr., Stamford, Texas.

TOPEKA & NORTHWESTERN.—We are advised by R. L. Huntley, Ch. Engr., Omaha, Nebr., that contract has been awarded to KILPATRICK BROS., of Beatrice, Nebr., for building the extension from Onaga to Marysville, Kans., about 32½ miles in length.

VERSAILLES & SEDALIA.—Incorporated in Missouri to build a railroad six miles long in Morgan County. Capital stock, $60,000. Incorporators: J. Applewhite, W. W. Fauss, J. M. Goodbar, J. C. Ottinger and S. W. Tate, of Memphis, Tenn.; G. D. Abell, Joel D. Hubbard and J. A. Petty, of Versailles.

WESTERN MARYLAND.—FISHER, GILMOR & REILEY, of Baltimore, have been given a contract to rebuild and double-track main line from Owings Mills to Emory Grove, Md., on the Western Maryland Railroad, 6¼ miles. J. W. Galbreath is Principal Assistant Engr., at Baltimore. Noted on June 7.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

MIDDLETOWN, CONN.—The municipal authorities of Middletown and Meriden have taken measures to promote the construction of a street railway between the two towns, it is reported. The Common Council of this city has appointed a committee to take the matter up, and Meriden will shortly pursue a similar course. A franchise was secured some time ago, and preliminary surveys were made for the construction of the line. The charter for the trolley is controlled by the Consolidated Railway Co. W. S. Clark is City Engr. of Meriden.

ROCKVILLE, CONN.—The Consolidated Ry. Co. has posted a bond of $20,000 to have three miles of rails laid by Oct. 1st, on the line between Rockville and Stafford Springs. Surveys are made, and plans are in preparation. J. K. Punderford is Gen. Mgr., at New Haven, Conn.

BUFFALO, N. Y.—We are officially advised that capital has been secured for construction of the Buffalo & Lackawanna Traction Co.'s lines along the streets of Buffalo, five miles in length. Date for receiving bids has not been decided. The line will be operated by overhead electricity. Joseph B. Mayer, 11 Pine St., New York City, is Pres. As noted in Engineering News on June 28th, the Buffalo & Lackawanna Traction Co. has been incorporated with a capital of $1,000,000, to build an electric railway five miles long in the city of Buffalo. It will be operated by trolley, and will run from Hamburg Turnpike, at the city line, to Clinton and Washington Sts. It is said that the new company was formed to afford the Buffalo-Erie interurban line, now being built, an entrance into Buffalo.

LONG ISLAND CITY, N. Y.—The Brooklyn "Eagle" states that the New York & Queens County Ry. Co. has filed with the Secretary of State, at Albany, certificate of proposed extension of its lines in Queens County, aggregating 14 or 15 miles. F. W. Hebbard is Supt of Borden Ave., Long Island City.

DERRY CHURCH, PA.—The Hummelstown & Campbellstown St. Ry. Co. plans extensions to Campbellstown and Palmyra, and probably to Bismark. H. N. Herr is Ch. Engr., at Lancaster, Pa.

TROOPER, PA.—The Montgomery Traction Co. is reported to have awarded a contract for building a line between Trooper and Souderton. W. O. Hay, Easton, Pa., is Pres. and Gen. Mgr.

HAGERSTOWN, MD.—It is reported that Jason Bell and Simon Wiener, Supervising Engrs., have preliminary plans for building an electric railway on South Mountain from Pen-Mar Park to High Rock, Quirauk, Brinkwood and Ragged Edge, about four miles.

BALTIMORE, MD.—MICHAEL ELMORE has taken a subcontract from the Chesapeake Traction Co. on the Western Maryland Railroad for double-tracking and re-alinement from a point two miles west of Walbrook Station, to Mt. Hope, Md., about two miles. A cut 40 ft. deep is included, and about 200,000 cu. yds. of earth will have to be moved, and will be used to fill in the long, high trestle on the tidewater extension near Walbrook Station, it is reported. The JOHNSTON-PERIN CONTRACTING CO. has the contract from Mt. Hope to Mt. Wilson. From Mt. Wilson to Green Spring Junction, WALTER H. THORNE, of Baltimore, has the contract.

ATLANTA, GA.—The N. P. PRATT ENGINEERING CO., of Atlanta, has contract to build the proposed railway for the Atlanta, Griffin & Macon Interurban Ry. Co. Col. Clifford L. Anderson is Pres. of the Georgia Securities Co., which will control the railway.

ANNISTON, ALA.—The city council has voted to grant a franchise to the Atlanta & Birmingham Air Line Railway, over certain streets, avenue and alleys in the city of Anniston, and gives the company three years in which to begin the operation of trains into the city.

BIRMINGHAM, ALA.—We are officially informed that surveys have been made and right-of-way secured by the Birmingham Ry., Light & Power Co. for its proposed extensions and reconstruction work. Ford, Bacon & Davis, 24 Broad St., New York, are the Engrs.

VICKSBURG, MISS.—G. P. Bullis, Mgr. Vicksburg Ry. & Light Co., advises us that work will be commenced in about 30 days on extension of Jackson Road line to National Military Park, about 9,000 ft. No contracts will be let.

CHATTANOOGA, TENN.—C. E. James has applied to the City Council for the right to construct an electric railway and steel and concrete viaduct in this city at a contemplated cost of over $1,000,000.

The Lookout Mountain Ry. Co. has amended its charter to build an electric railway in Hamilton County, and in Chattanooga, in addition to its line on the mountain. R. W. King is Gen. Mgr., at Chattanooga.

JACKSON, TENN.—S. S. Bush, of Louisville, Ky., Gen. Mgr. of the Jackson Railway & Light Co., states that plans are about completed for the construction of 7½ miles of new track, including a line from Jackson to Bemis, 2¼ miles. Mr. Bush will have general charge of construction from Louisville. Charles D. Lemkuhl, Jackson, Tenn., Construct. Engr., will have local supervision. Noted last week.

LEXINGTON, KY.—The Central Kentucky Traction Co. has filed amended articles of incorporation giving it the right to extend its lines to nine towns in central Kentucky not heretofore included, and increasing its capitalization to $3,000,000. The towns are Frankfort, Lawrenceburg, Shelbyville, Georgetown, Cynthiana, Mt. Sterling, Owenton, Danville and Harrodsburg. The following officers were elected: Louis Brand, Pres.; T. D. Murry, Secy. and Treas., Philadelphia, Assistant Secy. and Treas., Philadelphia, Treas., and J. W. Brand, Assistant Treas. It was decided to begin improvements in the city of Lexington at once building additional lines. The company now controls the lines to Georgetown and Versailles.

TOLEDO, OHIO.—We are officially advised that the Toledo, Urban & Interurban Ry. Co. is using its own forces in the construction work on its line. The work consists principally of lengthening several bridges on the Kilgour, Findlay, Ohio, is Ch. Engr.

YOUNGSTOWN, OHIO.—The Youngstown, Boardman & Canfield Railway Co., recently incorporated, was organized June 15th, by electing the following officers: H. Stambaugh, Pres.; S. J. Dill, Vice-Pres.; Geo. Stambaugh, Mgr.; David Tod, Secy. and Treas. The proposed road will be about ten miles long, and will connect up three prosperous suburban towns and a rich farming territory with Youngstown. A connection will be made with the Youngstown & Southern Ry. at Oakland, near Boardman.

GARY, IND.—The Gary & Hammond Traction Company has been incorporated with a capital stock of $10,000. The purposes of the corporation are to construct a line or system of street and interurban railroads in and between the cities of Hammond, East Chicago and Gary, in Calumet Township, and in other towns and cities of Indiana, also to produce and supply electricity and steam for light, heat and power in the towns and cities through which the company's lines will run. The principal office will be in Gary. K. K. Knaff, Wm. D. Hayne, Wm. Steepe, Mark Breeder and G. R. Call, Incorporators.

CARTHAGE, MO.—The Carthage City Council and the Council of Joplin have awarded a franchise to the company which proposes to build from Independence to Chanute, and R. C. Rawlings, of the company, has posted $2,000 to be forfeited in case the line is not in operation between the points within 18 months. The line will be 125 miles long, and the mileage of the feeders will measure as much more. The principal towns on the new route are: Carthage, Webb City, Carterville and Joplin, Mo.; Galena, Parsons, Thayer, Earlton, Columbus, Scammon, Mineral, McCune, Chanute, Cherrydale, Independence and Coffeeville, Kans.

ARDMORE, IND. T.—A franchise for an electric street railway system here has been granted the Ardmore Electric & Power Co.

PORTLAND, ORE.—We are informed by C. N. Ruggins, Secy. Portland Ry. Co., that this company does all new construction work, including special work, etc. This statement is made in connection with the announcement in Engineering News on June 14, that the Portland Ry. Co. will spend $350,000 in improvements this year.

HAMILTON, ONT.—Bids are asked until July 27 by the Hamilton, Waterloo & Guelph Ry. Co. for construction of a first-class electric railway between Hamilton and Galt and between Hamilton and Guelph, a total length of about 60 miles. Plans and specifications may be seen at office of Thomas E. Hillman, Engr., Hamilton Provident & Loan Bldg., Hamilton, to whom bids are to be addressed. (Advertised, Engineering News.)

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

HARVARD, MASS.—The Boston Heat, Light & Power Co., which owns the electric and gas lighting plants in Clinton and Leominster, is to build an immense power plant for the generation of electricity at Still River Depot, in the town of Harvard. Surveys of the property to be acquired are now being made. George F. Howland, 131 State St., Boston, is interested.

BRIDGEPORT, CONN.—The H. WALES LINES CO., of Meriden, Conn., has secured the general contract for erecting the powerhouse on Washington Ave., for Hutchinson, Pierce & Co. The building will be of concrete, 32 x 43 ft., with wing 9 x 20 ft.

McGRAW, N. Y.—The contract for lighting the streets of McGraw for one year has been let to the CORTLAND & HOMER ELECTRIC CO.

NIAGARA FALLS, N. Y.—The construction of a power-house for generating electricity at Niagara will begin within two months.

POTTSVILLE, PA.—Bids are asked until Sept. 18 by the Borough Council for lighting the borough for five years, from Feb. 15, 1907.

READING, PA.—A charter has been granted to the People's Light Co., of Berks County, by the authorities at Harrisburg. The company has a capital of $50,000 and its object is to manufacture and supply gas for lighting purposes in Berks County. The applicants were: John H. Keppelman, Theodore M. Keppelman and John H. Rooney.

DANVILLE, PA.—The contract for the construction of the power-house for the Hospital for the Insane has been awarded to J. T. BUCHANAN & CO.

TAMAQUA, PA.—Bids are asked until 8 p. m., July 25, by the Town Council, W. F. Leopold, Secy., for paving with vitrified shale paving bricks or blocks on a cement concrete foundation, or with bituithic pavement, E. Broad St., from Market to Swatara Sts. E. L. Boyd is Boro. Engr. (Advertised, Engineering News.)

CHESTERTOWN, MD.—Kent Traction Co. will construct a plant for furnishing electric lights, also power for the operation of proposed railway between Chestertown and Tolchester, Md. About $80,000 will be expended. Alva A. Lamkin, 611 Equitable Bldg., Baltimore, Md., is the company's counsel.

WASHINGTON, D. C.—The Potomac Electric Power Co., 213 14th St., N. W., has filed mortgage for $7,000,000 to cover the construction of electric power plant on Benning's Road.

NORFOLK, VA.—Bids are asked until 11 a. m., Aug. 1, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., Mordecai T. Endicott, Ch. of Bureau, for pumping machinery for the Norfolk Navy Yard. Specifications are on file at office of Engineering News, New York.

BLUFF FALLS, N. C.—It is reported that Messrs. Hugh MacRae & Co., of Wilmington, N. C., are about completing their plans for the development of Bluitt Falls. According to the latest statements, contract for building a dam to develop power and construct a plant to transmit the power by electricity has been awarded to W. R. BONSAL, of Hamlet, N. C.

NEWBERN, N. C.—J. H. T. Martin, A. D. Ward and others have incorporated the Newbern Light & Fuel Co., with $100,000 authorized capital, to operate gas plant for light and fuel.

CHARLESTON, S. C.—Bids are asked until 11 a. m., July 28, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for constructing brick and steel building and brick chimney for the central power station at the Charleston Navy Yard. Mordecai T. Endicott is Ch. of Bureau. Specifications are on file at the office of Engineering News, New York.

Bids are asked until July 21 for equipment for power station mentioned above.

SPARTANBURG, S. C.—OSCAR SHANKS, of Pittsburg, Pa., has been awarded a contract for construction of a power-house and electric plant on Board River for the Spartanburg Electric Co.

ROSSVILLE, GA.—We are officially advised that G. A. COLLINS, Chattanooga, Tenn., has contract for electrical drive and machinery for the Peerless Woolen Mills. The cost of equipment is $65,000.

CARTERSVILLE, GA.—Bids are asked until 2 p. m., July 23, by the Mayor and Council for constructing a complete electric light plant. J. B. McCrary is Engr., Empire Bldg., Atlanta, Ga.

KEY WEST, FLA.—Stone & Webster, 84 State St., Boston, Mass., have purchased the entire electric railway and lighting business of the Key West Electric Co., and the company will be refinanced with $1,000,000 capitalization. New money will be provided to re-equip the present power station, purchase new cars and equipment, extend the lighting system and develop the gas business under franchise owned by the company, and put the entire plant in the best operating condition.

PENSACOLA, FLA.—Pensacola Shore Line & Power Co., incorporated by A. Eliasburg and others, will construct a power plant to supply light and power for general use in connection with its proposed electric railway.

MORGAN CITY, LA.—B. M. Young and Hugh Young have purchased the electric plant of the Morgan City Improvement Co., which will be improved and operated. New machinery will be installed. An ice plant will also be added.

NEW ORLEANS, LA.—Bids are asked until 11 a. m., August 4, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for constructing chimney for power house, building No. 9, U. S. Naval Station, New Orleans. Specifications are on file at office of Engineering News, New York.

YOUNGSTOWN, OHIO.—The Youngstown Consolidated Gas & Electric Co. has secured a building permit for the erection of a $10,000 power plant adjoining the present plant of the company on North Ave. The new building will be 56 ft. wide, with a varying depth of from 67 to 73 ft. It will be built of steel, brick and concrete exclusively. E. H. Beil is Supt.

ANDERSON, IND.—The Remey Electric Manufacturing Co., of this city, has let a contract to BERT WRIGHT to erect a large addition to the company's present plant. The new addition will be equipped with electrical machinery.

INDIANAPOLIS, IND.—The plans for remodeling the City Hospital include an entire new heating and electric lighting equipment and a laundry which will also have electrical apparatus. The improvements will cost $100,000.

GREENCASTLE, IND.—An electric lighting plant is to be installed by the authorities of De Pauw University for the purpose of lighting the buildings. The plant will cost from $5,000 to $6,000.

SCOTTSBURG, IND.—A power-house is to be built at Scottsburg, which will supply power to run cars between Sellersburg and Seymore.

CAMP POINT, ILL.—The city has decided to issue bonds for $10,000 to install an electric light plant.

DUQUOIN, ILL.—The Duquoin City Council has granted a water-works and electric light franchise to D. E. Nottley, of Pittsburg, and E. C. Parker, of St. Louis. Work on the installation of the electric light system will begin at once.

KENOSHA, WIS.—The City of Kenosha is having plans prepared by the Milwaukee Engineering Co. for a municipal lighting plant of from 300 to 400 arc light capacity, to be installed before the contract with the present company for lighting the streets of that city expires.

WILLISTON, N. DAK.—Bids are asked until 10 a. m., Aug. 14, at the office of U. S. Reclamation Service, Williston, for installing steam and electric pumping plants and electric generating and transmission apparatus, including three pumping stations containing centrifugal pumps, driven by engines and motors aggregating 1,200 HP.; also necessary buildings and three miles of transmission lines. Bids for this work were advertised for July 9, but the time of receipt of bids has been postponed. (Advertised, Engineering News.)

GLASGOW, MONT.—See under Water Supply.

TWIN BRIDGES, MONT.—It is reported that the Conrey Placer Mining Co., of Ruby, is to construct a large reservoir above the upper canyon on the Madison River, and will erect two power plants, one at the head and the other at the foot of the canyon.

It is said that the Madison River Power Co., at Twin Bridges, Mont., is contemplating the building of another large power plant on the Madison River to furnish more electric power for Butte mines and smelters, the plant now in operation in the Madison canyon being inadequate to the demands for electric power. A party of surveyors is now in the upper Madison Valley for the purpose of making surveys.

THOMPSON, MONT.—An electric plant to cost $2,000,000 will be installed at Thompson Falls, on Clark's Fork River. E. H. Williams and others are the promoters.

GREEN MOUNTAIN FALLS, COLO.—Theophilus Harrison and F. E. Dow, owners of a large water system above Green Mountain Falls on the north slope of Pike's Peak, have completed plans for the erection of an electric power station this fall at Green Mountain Falls to light that town, and possibly other towns in Ute Pass, including Cascade and Woodland Park.

DENVER, COLO.—Plans have been prepared for installing the power plant of the Northern Power Co. It is hoped to have the plant installed Feb. 1. W. Henry is the projector.

PORTLAND, ORE.—Bids are asked until noon, July 26, by the Portland School Board, for installing a heating and ventilating plant in the East Side High School.

CHATHAM, N. B.—At a special meeting of the Town Council held recently it was decided to give the contract of remodelling the electric light plant to the WESTINGHOUSE CO. and the boilers to the CANADA FOUNDRY CO.

OWEN SOUND, ONT.—The Light and Power Committee has recommended the acceptance of the tender of Robb Engineering Co., of Amherst, N. S., for one horizontal cross compound condensing Robb-Armstrong Corliss engine with fittings, cost $7,591, and the tender of Reid & Kilmer, Toronto, for one revolving field alternating current generator, 375 KW., with all attachments. Charles Kilmer, Walkerton, has contract for electrical supplies; cost, $7,000.

SASKATOON, SASK.—Willis Chapman, Civil Engr., of Toronto, has plans for a municipal electric lighting plant which will be installed here. J. Clinskil is Mayor.

PRINCE ALBERT, SASK.—Prince Albert rate payers have decided to move the electric light plant to the power-house at the water-works and to improve the plant at a cost of $35,000.

NELSON, B. C.—A company has been formed to generate power for supplying Moyie and Cranbrook and the neighboring towns with electric light and power. The promoters are Charles Mackay, R. Campbenn, J. A. A. McDonald and J. D. Mackay, of Moyie; W. Hanwell, of Port Hammond, and L. Shaw and Mrs. H. Ross, of Vancouver; capital, $1,500,000.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

GARDINER, ME.—Bids are asked until Aug. 1 by George N. Johnson, Chn. Com. on Bridges for the City of Gardiner and Town of Randolph, at Gardiner, for constructing a steel or wood draw for the Gardiner and Randolph bridge, contracting parties to remove present draw.

GREENFIELD, MASS.—John D. Kiley has charge of constructing a cement arch for a distance of 120 ft. over the town sewer in the rear of the factory of the Goodell-Pratt Co., off Wells St.

NEWTON, MASS.—We are officially advised that specifications are now being prepared for a bridge over the Charles River. The bridge will be 100 ft. long, will have two 38-ft. spans, will be 43 ft. 9 ins. wide and have a capacity of 100 lbs. per sq. ft. Irving Farnham is City Engr.

WOONSOCKET, R. I.—The contract for building a concrete and steel bridge over the trench on Main St. is reported awarded to the CUMBERLAND CONSTRUCTION CO., of Providence, at $4,751. Frank H. Mills is City Engr.

NEW HAVEN, CONN.—The Aldermanic Committee is considering the erection of an 80-ft. iron bridge over the railroad at Grant St. Cost will be about $25,000.

SOUTH MANCHESTER, CONN.—The Town is considering erecting a bridge over the Hackanum River on Tolland Turnpike in that part of the town known as Oakland.

CAMDEN, N. J.—A resolution has been adopted by the Board of Freeholders, instructing the Solicitor to enter into an agreement for the erection of a bridge across Cooper's Creek at Federal St., and that the Public Service Corporation pay over to the Board $20,000 towards the construction of the bridge. The corporation has come to an agreement with the Bridge Committee.

ALTOONA, PA.—The plans and specifications for a new bridge over the railroad at Seventh St., upon which engineers of the American Rys. Co., H. J. Crowley, General Mgr., Philadelphia, have been working, are reported completed, and are ready to present to Councils for their consideration.

WEST NEWTON, PA.—Bids are asked until July 19, by John D. Hitchman, Comptroller, at Greensburg, for constructing the substructure and superstructure of the bridge at West Newton over the Youghiogheny River.

WASHINGTON, D. C.—STEWART & BRATTON have been awarded contract for four bridges for the District of Columbia. The bridges will be built of steel and concrete.

DURHAM, N. C.—AUSTIN BROS., of Atlanta, Ga., have been awarded the contract for building an iron bridge across New Hope Creek.

ATLANTA, GA.—Two steel bridges across the Chattahoochee River will be built by the Commissioners of Fulton County in conjunction with the Commissioners of Cobb County. Johnson's Ferry, Power's Ferry and Hurd's Ferry are the three points chosen by the Committee, which is composed of E. V. Carter, H. E. W. Palmer and E. B. Rosser.

Application has been made for a permit to build the Nelson St. viaduct that is to extend from Madison Ave. to Elliott St. The plans, which were prepared by the Trussed Concrete Steel Co., call for a bridge constructed of steel and concrete. The abutments are to be of reinforced concrete, the slabs and sidewalk of tile and the roadway will be laid with creosoted wood blocks. The building will be under the supervision of W. W. Griffin. The longest span of the viaduct will be 75 ft. It is estimated that this construction will cost in the neighborhood of $40,000.

VICKSBURG, MISS.—We are officially advised that W. T. YOUNG has secured contract for constructing a bridge at Haynes Bluff, and for removing the old one. J. D. Laughlin is Clk. of the Chancery Court of Warren County.

CINCINNATI, OHIO.—Bids are asked until July 30, by the Board of Public Service, M. Keefe, Clk., for substructure work on Harrison Ave. viaduct.

MOUNT CARMEL, OHIO.—L. J. Hackney, Gen. Counsel of the Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., announces that he has obtained authority for constructing an immense bridge across the Wabash River at Mount Carmel.

ST. CLAIRSVILLE, OHIO.—Bids are asked until July 23, by the Board of County Commissioners, at the office of A. W. Beatty, County Audr., for furnishing material and constructing three concrete arch bridges and one rubble stone retaining wall.

CLEVELAND, OHIO.—The County Commission has decided to build the Petrie Road bridge of concrete, instead of steel, as originally planned. This will entail an additional expense of $10,000. As at first planned, the bridge was to cost $76,000.

TROY, OHIO.—Bids are asked until July 20, by E. E. Pearson, County Audr., for constructing a plate steel bridge over the Miami and Erie Canal, to consist of one span, 53 ft. long and 32 ft. clear.

TOLEDO, OHIO.—Bids are asked until 10 a. m., July 20, by the Auditor of Lucas County, for erecting a bridge on Detroit Ave., over Ten Mile Creek, in Washington Township.

INDIANAPOLIS, IND.—The Commissioners of Marion and of Hamilton Counties will soon ask for bids for construction of a joint bridge over Fall Creek at Germantown. Estimated cost, $12,000.

RUSHVILLE, IND.—Bids are asked until Aug. 6 for constructing two 45-ft. concrete arches. A. L. Stewart is Engr.

PERU, IND.—The Commissioners of Miami County have let contracts for the construction of four new bridges as follows: The Rifle bridge and the Landis bridge to the ROCHESTER BRIDGE CO., the substructure of the former to JOSEPH HOOVER, and of the latter to CHARLES BLACK. These bridges will be of steel. The other two bridges will be concrete arches. The Blackburn arch to CHARLES BLACK, and the De Haven arch to JOSEPH HOOVER.

NEW CASTLE, IND.—The Commissioners of Henry County have awarded a contract to the PAN-AMERICAN BRIDGE CO. to construct a bridge on the County Line Road.

MONTICELLO, ILL.—Bids are asked until 10 a. m., July 24, at the Court House, for constructing a 50-ft. highway bridge, having concrete abutment and reinforced concrete floor.

SAVANNA, ILL.—The CONTINENTAL BRIDGE CO., of Chicago, has been awarded the contract for building five bridges in Woodland. The price to be paid is $4,115.

BLOOMINGTON, ILL.—H. S. SHADE has been awarded the contract for erecting a bridge over Crooked Creek, about four or five miles south of this town. The abutments will be of concrete instead of stone.

FOREST JUNCTION, WIS.—Bids are asked until July 14 for the construction of a stone bridge. John Deidrich is Chn. Com.

LYONS, IOWA.—Bids are asked until noon, July 25, by J. A. Nattinger, Secy. Lyons & Fulton Bridge Co., for constructing a steel bridge approach, for highway and street car service, at Lyons. The approach will consist of two riveted deck spans, each 130 ft. long, and two spans 60 ft. in all, on cylinder foundations; also about 415 ft. steel trestle on concrete footings. J. H. Sawyer, 7346 Harvard Ave., Chicago, is Consult. Engr. (Advertised Engineering News.)

DULUTH, MINN.—The City Council is reported to have decided to construct a steel bridge over the Jenswold St. subway, and, according to reports, bids will soon be received.

Bids are asked until 10 a. m., July 20, by the Polk County Commissioners, for constructing five bridges. N. A. Hoffard is County Audr.

TOPEKA, KANS.—Bids are asked until noon, Aug. 13, by the Commissioners of Shawnee County, for building two steel bridges over the Kansas River, one to be located between Rossville and Willard, and one between Silver Lake and Valencia. S. H. Haynes is Chn.

GRAND FORKS, N. DAK.—The Great Northern Ry. Co. will be obliged to build 30 bridges between Neche and Carman, Manitoba, on the new Great Northern extension from Neche. The first bridge north of Neche is just a short distance from the city. Two pile drivers have been placed on the site, and are now working. The bridge there will be 130 ft. long. G. A. Casseday is Bridge Engr.

SPRINGFIELD, MO.—The City Engineer is reported to have been authorized to receive bids for repairing the Boonville St. bridge over Wilson Creek.

VERNON, TEX.—H. MITCHELL, of Weatherford, Tex., has contract to construct steel bridge 1,540 ft. long over the Pease River, to cost $30,000.

PAGOSA SPRINGS, COLO.—Bids are asked until noon, July 21, by T. W. Jaycox, State Engr., for constructing a highway bridge, one span, 128 ft. long, at Pagosa Springs.

PILOT ROCK, ORE.—Howard & Swingle, Pendleton, Archs., have prepared plans for two bridges to be built by Pilot Rock.

LYNDEN, WASH.—Contract for lowering the Lynden bridge has been awarded to the PUGET SOUND BRIDGE & DREDGING CO., at $3,950. Contracts let at same time were: for constructing Everson bridge, $2,500, and the Nugent bridge, $5,250.

LAKEPORT, CAL.—We are officially advised that the Scotts Creek bridge contract has been secured by the AMERICAN BRIDGE CO., 42 Broadway, at $5,630. Shafter Mathews is Clk.

SAN JOSE, CAL.—Bids are asked until 10 a. m., July 16, by the Board of Supervisors of Santa Clara County, Henry A. Pfister, Clk., for a steel pony truss bridge over San Felipe Creek, on the San Felipe Road.

LEWISTON, IDAHO.—McCREARY & WILLARD, of Spokane, have been awarded the contract for the construction of a steel bridge 750 ft. in length, across the Clearwater River, at Lewiston. The contract was let by the Oregon, Washington & Idaho R. R. According to the estimates made, about 1,200 tons of steel will be used in the bridge, which, without the piers and abutments, will cost about $96,000. It is estimated that the construction of the substructure will add about $40,000 to this sum.

HAWKSHAW, N. B.—C. H. Labillois, Fredericton, N. B., will erect a steel bridge across the St. John River at Hawkshaw, at a cost of about $75,000.

MONTREAL, QUE.—Alfred Willis, Chn. of the South Eastern & Chatham Ry., of England, is in the city in connection with the proposed bridge from Montreal to the south shore of the St. Lawrence River. Charters relating to this second bridge at Montreal have already been acquired. The plans are to build over to St. Helen's Island from the south shore, and thence over the ship channel, at a height equal to that of the Quebec bridge, to the Montreal shore, thus allowing large ocean steamers to pass beneath. This will mean a very expensive terminal at Montreal, as the bridge will have to be extended about a mile from the water's edge to reach the level of the high span. It is estimated that, with terminals, the bridge will cost about $12,000,000. The plans have been approved by various English engineers interested, including Sir Douglas Fox. Work will proceed as soon as the Dominion Government agrees to aid in the project.

SYLVAN, ONT.—The Middlesex County Council will build a new bridge at Sylvan, Ont., at a cost of about $10,000.

TORONTO, ONT.—The City Council is reported to have decided that the city should undertake the construction of a bridge across the tracks at the foot of Yonge St., accepting $100,000 from the railway companies in full settlement of all claims against them in connection therewith.

CORNWALL CENTRE, ONT.—Bids are asked until noon, July 16, by John Mullin, Clk. Cornwall Township, for all work in connection with building four reinforced concrete and four ordinary concrete piers for four bridges over the River aux Rainis, in the Township of Cornwall. W. H. Magwood is Engr.-in-Charge.

LETHBRIDGE, ALTA.—C. N. Monsarrat, Engr. Bridges, Canadian Pacific Ry. Co., Montreal, in writing in regard to the proposed bridge at Lethbridge, says: "This matter is still in embryo state. I have no definite information in regard to whether this bridge will be gone ahead with this year or not. Nothing whatever has yet been done in the matter."

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

HAVERHILL, MASS.—C. Willis Damon, Arch., 25 Washington Square, Haverhill, has been engaged to draw plans for the new $250,000 high school building. The new building will be of brick, facing on Summer St., and will accommodate 900 pupils.

WORCESTER, MASS.—E. J. CROSS, 82 Foster St., Worcester, has been awarded the contract for a new $80,000 block on Commercial St., for Brewer & Co.

WOONSOCKET, R. I.—It is reported that Woonsocket is to have a new $75,000 post office building.

NEW BRITAIN, CONN.—An appropriation of $140,000 has been made for a new post office building in this city.

NEW YORK, N. Y.—Joseph Olhausen, 443 Stanhope St., Brooklyn, was low bidder for alterations to the Jamaica Training School. Bids opened July 2, 1906.

W. C. Ormond, 900 President St., Brooklyn, was low bidder for sanitary work and gas fitting in Public School No. 6, Borough of Brooklyn. Bids opened July 2, 1906.

The contract for erecting residence for Robert B. Roosevelt, Jr., 33 Wall St., New York, at 116 East 55th St., was awarded to CLARENCE TRUE, Sixth Ave. and 42d St., New York. Louis C. Maurer, 2 East 21st St., is Arch.

It is stated that the contract for erecting the new Consolidated Stock Exchange building, on Broad and Beaver Sts., New York, was awarded to the GEORGE A. FULLER CO., 949 Broadway. The plot fronts 90 ft. on Broad St. and 117 ft. on Beaver St.

NEW YORK, N. Y.—The contract for the erection of a 12-story loft and office building for B. S. Castles, at 39-41 West 38th St., was awarded to FOUNTAIN & CHOATE, 114 East

23d St., New York. Gordon, Tracy & Southwout, 244 Fifth Ave., are Archs.

Bids are being received by Hedman & Schoen, Archs., 302 Broadway, New York, for a brick, stone and steel synagogue at 116th St., near Fifth Ave., for the Ohab Zadek Congregation.

Plans and specifications are out for figures for an 11-story loft building, 66 × 121 ft., for Chas. H. Schieren, 30 Ferry St., at 61-65 Cliff St., New York; cost, $200,000. Radcliffe & Kelly, 3 West 29th St., are Archs.

Revised plans have been filed for the new Singer Mfg. Co.'s building at 155-163 Broadway, New York. The main building will comprise the remodelled present 14-story office building and a tower 41 stories high. Cost, $1,500,000. Ernest Flagg, 35 Wall St., is Arch.

NEW YORK, N. Y.—Plans have been filed by Rouse & Sloan, Archs., 11 West 43d St., for the Hendrik Hudson apartment house fronting 208 ft. on Riverside Drive and 135 ft. on 110th St. It will be of fireproof construction, of French limestone, brick and terra cotta, costing about $1,000,000.

ROCHESTER, N. Y.—Bids are asked until 3 p. m., July 25, by the State Commission in Lunacy, T. E. McGarr, Secy., at the Capitol, Albany, for extending the hot water supply system, at the Rochester State Hospital. (Advertised, Engineering News.)

ROME, N. Y.—Bids are asked until 2 p. m., Aug. 6, by James A. Douglass, at the State Custodial Asylum, for constructing and fitting with light, heat and water, an employees' building; also employees' cottage, and an ice house. (Advertised Engineering News.)

ALBANY, N. Y.—Bids are asked until 2 p. m., July 30, by the Trustees of Public Buildings, at the Capitol, Albany, for removing top of main tower, and removing and replacing columns of Assembly staircase in the Capitol. (Advertised Engineering News.)

YONKERS, N. Y.—A site of 110 acres has been purchased by Alexander Smith Cochrane, of Yonkers, on which, it is reported, he will erect a $500,000 sanitarium.

LOCKPORT, N. Y.—The St. Joseph's Academy and Industrial Female School has plans prepared for the erection of an academy for women to cost $100,000. William Brennan, Jr., of Lockport, is interested.

SYRACUSE, N. Y.—The Court House Commission of the Board of Supervisors has awarded to the ART METAL CO., of Jamestown, N. Y., the contract for furnishing the metallic furniture of the new Onondaga County Court House for $77,650.

The Government has appropriated $150,000 for a site for a new post office in this city.

SCHENECTADY, N. Y.—Congress has appropriated $170,000 for the erection of a federal building to be used as a post office in this city. Jacob W. Clute is Mayor.

BINGHAMTON, N. Y.—Bids were opened July 3 for construction, heating, plumbing and electric wiring and fixtures, complete, of the Acute Building at Binghamton State Hospital, as follows: Scott & Robb, Norwich, N. Y., $99,084, in 500 days; Hudson Valley Construction Co., Albany, N. Y., $99,400, and M. Stipp Construction Co., Binghamton, N. Y., $86,700, in 330 days.

OSWEGO, N. Y.—The contract for construction of the new State Armory, at Oswego, N. Y., has been awarded to the WHITE CONSTRUCTION CO., of Rochester, for $63,000.

PRINCETON, N. J.—The contract for erecting the dormitory for Princeton University was awarded to W. R. MATTHEWS, of Princeton, N. J. Cost, $100,000.

CAMDEN, N. J.—Bids have been received by Ballinger & Perrott, Archs., 1200 Chestnut St., Philadelphia, for a laboratory and office building for the Victor Talking Machine Co. Concrete and steel, four stories, 90 × 100 ft.

SCRANTON, PA.—Plans are out for figures for a $50,000 addition to the Dime Savings Bank. E. H. Dans, Connell Bldg., Scranton, is Arch.

PHILADELPHIA, PA.—F. R. Stuckert, Arch., 1421 Chestnut St., has received bids for a restaurant at 909-911 Market St., for the Horn & Hardart Baking Co. Brick, stone and steel, two stories; cost, $50,000.

It is reported that Cramp & Co. will erect a 4-story playhouse, 114 × 169 ft., to be known as the Forrest Theater. It will cost $350,000. Marshall & Fox, First National Bank Bldg., Chicago, are Archs.

HARRISBURG, PA.—Plans have been prepared for a $50,000 church for the Messiah Lutheran Congregation. A. A. Richter, Lebanon, Pa., is Arch.

PITTSBURG, PA.—The United States Government will build a Marine Hospital here to cost about $125,000.

BALTIMORE, MD.—Torney & Leach, Archs., 323 North Charles St., have invited bids for the erection of an industrial school for St. Joseph's Home. Estimated cost is $150,000.

WASHINGTON, D. C.—Contract for the steel work for the second, third and attic floors of the National Museum building has been awarded to the AMERICAN BRIDGE CO. at $148,000. Other bidders were: Phoenix Iron Co., $164,700; Penn Bridge Co., $163,240, and Lewis F. Shoemaker & Co., $163,900. Bernard R. Green is Supt. of Construction.

H. Jennings has awarded the contract for a 4-story brick and stone residence to C. A. LANGLEY, 310 12th St., N. W., at about $60,000.

WHEELING, W. VA.—Bids are asked until July 16, by D. D. Carothers, Ch. Engr. of the Baltimore & Ohio R. R. Co., Baltimore, Md., for the erection of the superstructure of the new $300,000 passenger station at Wheeling. The building will be fireproof, 250 x 90 ft. It will have three stories and an attic, and will have a separate heating, lighting and power plant. Two umbrella sheds each 500 ft. long will join the main building. J. E. Greiner is Arch.

CHARLESTOWN, W. VA.—Coyle & Richardson will erect a concrete block department store and office building to cost $75,000. Elzner & Anderson, 136 Ingalls Bldg., Cincinnati, Ohio, are Archs.

SUMTER, S. C.—The contract for the new $85,000 Court House at Sumter, which was designed by Edwards & Walter, of Columbia, has been awarded to MOISE DE LEON, of Atlanta, Ga.

MONTICELLO, GA.—Bids are asked until July 14, by the Commissioners of Jasper County, for the erection of a Court House, 76 × 96 ft, to cost $450,000. T. F. Lockwood, Columbus, Ga., is Arch.

MEMPHIS, TENN.—The SELDEN-BRECK CONSTRUCTION CO., Fullerton Bldg., St. Louis, Mo., has been awarded the contract to build a system of cotton warehouses and compresses at South Memphis, for the Memphis Warehouse Co. This includes receiving and loading platforms. Cost about $400,000.

PORTSMOUTH, OHIO.—The contract for the erection of two buildings for the Portsmouth Stove & Range Works to replace the one recently burned, has been awarded to SCHILLINGER BROTHERS, Seeley and West Fullerton Aves., Chicago, Ill.; at $85,000.

GARRETT, IND.—C. V. Bowers, Secy. of the School Board, will readvertise for bids for the construction of a high school building and remodelling a wood school building. Former specifications have been altered. C. R. Weatherby, Ft. Wayne, Ind., is Arch.

GARY, IND.—LANQUIST & ILLSLEY, Archs., 393 North Clark St., Chicago, have been awarded the contract for the foundations for the principal buildings to be built in connection with the $75,000,000 steel plant at the new town of Gary, Ind., for the Indiana Steel Co., 217 La Salle St., Chicago, a constituent of the United States Steel Corporation. A. B. Newman, 1029 Rookery Bldg., is the Ch. Engr.

INDIANAPOLIS, IND.—Contract for building the foundations of the Composite Brick Co. factory has been let and bids will next be asked for the construction of a building 90 × 75 ft., with a one-story addition 81 × 28 ft.

JACKSON, MICH.—Bids are asked until July 23, by Dr. J. R. Dobyns, Supt., for the erection of new buildings for the Mississippi Institute for the Deaf and Dumb. R. H. Hunt, Chattanooga, Tenn., is Arch. The appropriation is $78,400.

Bids are asked until August 7, by J. W. T. Faulkner, Chn. Ex. Com. of the University of Mississippi, for the erection of six buildings.

BAY CITY, MICH.—The Y. M. C. A. has raised a building fund of $80,000 and will have plans for a new building prepared at once.

DETROIT, MICH.—D. H. Burnham & Co., 7 Jackson Boulevard, Chicago, are taking figures on a bank and office building to be built at the northwest corner of Griswold and Congress Aves., Detroit, for Edward Ford, of Toledo, Ohio. It will be 18-story, 140 × 110 ft., of fireproof steel construction, and cost about $1,000,000.

KALAMAZOO, MICH.—J. C. Llewellyn, Arch., 164 Dearborn St., Chicago, let the general contract to H. L. BANDERHORST, of Kalamazoo, for a store, office and bank building for the Kalamazoo National Bank. It will be 8-story, 52 × 100 ft., and cost $100,000.

LAKE FOREST, ILL.—Frost & Granger, Archs., 184 La Salle St., Chicago, have made preliminary plans for a hotel to be built at Lake Forest, for the Deerpath Inn Co. Among those interested in the project are George McKinlock, Cyrus McCormick, A. C. Frost, C. D. Stone, E. M. Samuels, R. D. Harlan and John Griffith. The building will cost $110,000.

CHICAGO, ILL.—JOHN R. GREGORY, 1398 Wilton Ave., has the general contract for an apartment building to be erected at Park and Hamlin Aves. for S. H. Wheeler, 59 Dearborn St. It will be 3-story, 240 × 80 ft., and cost $140,000. Iver C. Zarbell, 97 Clark St., is Arch.

C. A. Eckstorm, Arch., 131 La Salle St., is preparing plans for a store and office building to be erected at Michigan Ave. and Harrison St. It will be 14-story, 77 × 172 ft., and is estimated to cost $1,000,000.

Wm. E. Walker, Arch., 168 Michigan Ave., is taking figures on a mercantile building to be built at the northeast corner of Wabash Ave. and 14th St. for the Manufacturers' Furniture Exchange. It will be 8-story, 71 × 171 ft., of reinforced concrete construction, and cost $150,000.

MARINETTE, WIS.—Van Ryn & De Gelleke, Archs., 211 Grand Ave., Milwaukee, are drawing plans for the new $50,000 training school to be built at Marinette.

EAU CLAIRE, WIS.—It is reported that plans are being prepared by F. D. Orff, Arch., Minneapolis, Minn., for the construction of a $50,000 building for the Consolidated Bank.

BARABOO, WIS.—Contract for the construction of a high school building has been awarded to SMITH BROS., of Kaukauna, Wis. Van Ryn & De Gelleke, 211 Grand Ave., Milwaukee, are Archs.

MINNEAPOLIS, MINN.—L. A. Lamoreaux, Arch., 516 Lumber Exchange, awarded the contract to JAMES LECK for the Baltimore Investment Co.'s structure to be built on Hennepin Ave., at $85,000.

E. S. Stebbins, 107 Oak Grove St., is preparing plans for a 3-story pressed brick and cut stone, fireproof high school building; cost, $65,000.

ST. PAUL, MINN.—C. H. Johnston, 702 Manhattan Bldg., is preparing plans for restoring the Ryan Bldg. recently destroyed by fire. The estimated cost is $50,000.

Postle & Mahler, Archs., 1702 Marquette Bldg., Chicago, Ill., are preparing plans for a 5-story pressed brick and cut stone store and warehouse building to be built on Hampden and University Aves. for H. L. Collins & Co. It will be of reinforced concrete construction, and cost $100,000.

MACALESTER, MINN.—Plans for a $60,000 3-story brick and stone girls' dormitory, 80 × 120 ft., at Macalester College, are being prepared by Bell & Detweiler, Archs., Northwestern Bldg., Minneapolis.

OMAHA, NEBR.—F. P. GOULD & SON have been awarded the contract for erecting the new garage on Farnam St. for Mrs. Elizabeth Dufrene; cost, $50,000.

GRAND FORKS, N. DAK.—Patton & Miller, Archs., Hartford Bldg., 140 Dearborn St., have been engaged to prepare plans for a library to be built at Grand Forks. It will cost $60,000.

BRITTON, S. DAK.—Bids are asked until July 25, by Bell & Detweiler, Archs., 903 Northwestern Bldg., Minneapolis, Minn., for the construction of a 3-story concrete Court House to be built here. Estimated cost, $60,000.

HURON, S. DAK.—The Kent Hotel Co. has been incorporated with a capital of $100,000, by F. L. Kent, D. P. Jeffries and associates, and arrangements for the construction of a 3-story brick hotel building, on Fourth St. and Dakota Ave., are being made.

ST. LOUIS, MO.—Contract for the erection of the Railroad Y. M. C. A. Bldg. has been awarded to the MURCH BROS. CONSTRUCTION CO., at $133,800.

KANSAS CITY, MO.—Howe, Hoit & Cutler, Archs., 32 Bayard Bldg., are preparing plans for a $500,000 8-story brick and steel building, 60 × 120 ft., to be erected at Tenth and Baltimore Sts. A. E. Stilwell is interested.

DALLAS, TEX.—According to reports, a $100,000 6-story building will be erected by the Methodist Church Publishing Co. W. C. Everett is Mgr.

SPOKANE, WASH.—John K. Dow, Arch., Spokane, Wash., is preparing plans for a 10-story office building which will be erected on the site of the present Marion Bldg. by August Paulson, of Wallace, Idaho.

OAKLAND, CAL.—The plans of W. J. Miller, Arch., for the new county jail have been accepted. Construction will start at once. The building will cost $225,000.

LOS ANGELES, CAL.—It is reported that the California District Missionary Society of the Methodist Church will erect a hospital here to cost $100,000.

SAN FRANCISCO, CAL.—It is reported that the Building Trades Council of San Francisco will erect a labor temple at a cost of $75,000. E. J. Vogel is Arch.

Shea & Shea, Archs., are preparing plans for the Bride Bldg., which is to be located at Mission and Third Sts. It will be the first reinforced concrete structure built since the fire, and will cost $75,000.

George S. Fife has accepted plans for the erection of a 15-story office and store building at Market, Drumm and California Sts. Estimated cost is $400,000. Edward J. Vogel is Arch.

The work of rebuilding Stanford University will begin at once under the direction of a rebuilding commission composed of Professors Marx, Durand and Wing, of the Engineering faculty.

T. S. Williams will erect an 8-story steel building at Third and Mission Sts., at a cost of $150,000. Clinton Day is Arch.

The Mission Masonic Hall Association will erect a $65,000 building at Mission and Twenty-third Sts. Chas. Pfaff & Co. are Archs.

The Western Meat Co. will erect a building, 275 × 138 ft. at Sixth and Townsend Sts., at a cost of $125,000. Herbert B. Maggs is Arch.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

HALLOWELL, ME.—The contract for laying the extension of the water main from Water St. to the Wilder point granite sheds has been let to FRANK E. LEE, of Augusta, by the Water Commissioners.

EXETER, N. H.—It is reported that the water-works company at Exeter has decided to proceed at once with the installation of a filter plant to cost $10,000. The new building, which will be of concrete, will be located at the outlet of the pond and will be 44 × 46 ft., with red slated roof. The settling basin and the two filtering beds, each 12 ft. square, will furnish 1,000,000 gallons of filtered water each 24 hours.

WORCESTER, MASS.—Frederick A. McClure, City Clk., has prepared plans for the development of the Asnebumskit water system, and has presented his plans to the City Council.

BRAINTREE, MASS.—We are officially advised that the following bids were received July 2 for installing the Mayflower Park extension of the Braintree water-works: Magee, Macomber & Co., Taunton, $9,578; Bruno & Milano, 293 North St., Boston, $10,653; John T. Langford, 70 Kirby St., Boston, $11,063; William Cashman, West Quincy, $11,089; Long & Little, Leominster, $11,166; William Shea & Son, Quincy, $11,471; John E. Palmer, Boston, $12,211; Horace G. Crocker, Quincy, $12,374; the Charles R. Gow Co., Boston, $12,484.

MEDFORD, MASS.—We are officially advised that COLEMAN BROS., 15 Court Sq., Boston, have secured contract for building reinforced concrete bridge near Armory, Mystic River Reservation, Medford, at $28,821. Other bidders on the same contract were: F. S. & A. D. Gore Corporation, Old South Bldg., Boston, $49,126; Falvey & Kelley, Dorchester, $45,784; William H. Ward, Lowell, $41,435; Woodbury & Leighton Co., 166 Devonshire St., Boston, $39,568; Ruggles & Fallon, Boston, $36,557; T. H. Gill & Co., 88 Broad St., Boston, $34,742; M. McDonough, Swampscott, $34,132. John R. Rablin is Engr., Metropolitan Park Comn., 14 Beacon St., Boston.

NEW YORK, N. Y.—Bids are asked until 2 p. m., July 25, by William B. Ellison, Comn. Water Supply, Gas and Electricity, for constructing and erecting four pumping engines, complete, in the remodelled Ridgewood Northside pumping station, Atlantic Ave., Brooklyn.

MALONE, N. Y.—The plans for the Malone water system have been completed and submitted to the Board of Trustees. The plans submitted provide for a storage reservoir capable of holding 6,000,000 gals. of water, the same to be erected on land of Jonathan Bemis, which have been secured for this purpose; a pipe 14 ins. in diameter, leading from the reservoir to the village mains in the streets, of 4, 6, 8 and 10 ins. in diameter.

BUFFALO, N. Y.—It is reported that the International Waterways Commission is in favor of building an intake canal at Buffalo, and that it now rests with the U. S. and Canadian Governments to give formal consent.

UTICA, N. Y.—The Common Council has adopted a resolution ordering Consolidated Water Co. to lay 20-in. pipe in Broad and Whitesboro Sts., and a 16-in. main from Gilbert St., through Hutchinson Dwyer Aves., to Turner St. Paul Spencer is City Engr.

BLOOMFIELD, N. J.—The Town Council has decided to extend the water mains as follows: In Broad St., 8,000 ft.; Bloomfield Ave., 1,600 ft.; John St., 800 ft.; Willard Pl., 980 ft.; Myrtle Ave., 2,600 ft.

ORANGE, N. J.—Bids are asked until 8 p. m., Aug. 6, by Edward S. Ivy, Chn. Water Committee, for constructing, complete, one or more 3,000,000-gal. water pumping engines, also one or more 250,000-gallon sewer pumping engines. (Advertised, Engineering News.)

LANCASTER, PA.—Plans, specifications and bidding sheet for concrete dam to be built at the pumping station, Lancaster, as advertised, are on file at the office of Engineering News, New York. Bids are asked until July 19.

HARRISBURG, PA.—The Water Commissioners have awarded the contracts for the new water mains on James, 15th, Brown, Primrose, Green and Briggs Sts., to M. F. SAUL. M. B. Cowden is City Engr.

PHILADELPHIA, PA.—Bids are asked until noon, Aug. 1, by Thomas L. Hicks, Dir. Pub. Wks., for constructing a filter plant at the Queen Lane Reservoir. Contract No. 41. (Advertised, Engineering News.)

WARRENTON, VA.—Bids are asked until noon, July 17, by the Town of Warrenton, for constructing reservoir and earthen dam with masonry core-wall and pipe connections. D. J. Howell, 605 12th St., N. W., Washington, D. C., is Engr.; H. I. Hutton is Chn. Water Com. (Advertised Engineering News.)

CHARLOTTESVILLE, VA.—D. J. Howell, Civil and Hydraulic Engr., 605 12th St., N. W., Washington, D. C., is preparing plans for a dam and water-works to be constructed four miles from this city; water supply to be obtained through an 18-in. water pipe; dam to be of concrete 70 ft. high, having a top width of 400 ft.; reservoir to have a capacity of 600,000,000 gals.

ASHEVILLE, N. C.—The Buckeye Water Co. has been chartered, with $25,000 capital. R. P. Hayes, L. P. Hayes and J. C. Martin, of Asheville, are the incorporators.

COOLEEMEE, N. C.—It is reported that C. M. Miller, City Engr., Salisbury, N. C., has made surveys for the installation of water-works system, supply to be obtained from an artesian well.

WINSTON-SALEM, N. C.—The City has voted the $125,000 bond issue for the purchase and extension of local water-works. R. L. Greenlee is City Engr. and Supt. Water-Wks.

VIENNA, GA.—We are officially advised that bids will be asked in December or January for complete system of water-works, to cost about $20,000. Arthur Pew is in charge; B. F. Forbes is Mayor.

JACKSON, GA.—Bids are asked until 2 p. m., July 26, by the Mayor and Council, for machinery and material for water and light plants. J. B. McCreary, Empire Bldg., Atlanta, is Engr.

OWENSBORO, KY.—Bids are asked until July 16, by the City of Owensboro, for c.-i. pipe, valves, valve boxes and hydrants, and for the extension of water mains. E. B. Shipley is City Engr.

PARIS, KY.—We are officially advised that 2,000 ft. 6-in. pipe for the water-works extensions now in progress, is needed. Newton Mitchell is Supt.

PERRYSBURG, OHIO.—Bids are asked until noon, July 28, by the Board of Trustees, R. R. Hartshorn, Clk., for a quantity of machinery for the new pumping station. (Advertised, Engineering News.)

WAUSEON, OHIO.—An expenditure of $30,000 will be made to construct an addition to the water-works pumping station. Chas. J. Hodges is Clk.

COLUMBUS, OHIO.—The Board of Service has authorized the secretary of the board to advertise for bids for construction of the new pumping station, to be erected for the new purification plant.

COLLINWOOD, OHIO.—Collinwood and Nottingham are planning to establish a joint water-works system. East Cleveland may join the plan.

CINCINNATI, OHIO.—We are officially advised that Frank Burns, 632 June St., Cincinnati, submitted a bid of $15,870 for laying pipe on Queen City Ave., from Spring Grove Ave. to Rankin St.

Bids are asked until noon, July 27, by Board of Trustees, Commissioners of Water-Works, Elmer G. Prior, Clk., for laying c.-i. pipe and special castings and valves on Dodsworth and Hamilton Aves., from Millcreek to Blue Rock. The aggregate length of the main to be laid is about 1,200 lin. ft. of 20-in. c.-i. pipe. Charles N. Danehower is Ch. Engr. Bd. Pub. Service.

PAINESDALE, MICH.—Plans have recently been drawn for the building of a water system by which the Champion Mining Co. will furnish Painesdale, Trimountain and Baltic with water.

SPRING LAKE, MICH.—Specifications and bidding sheet for constructing water-works at Spring Lake, as advertised, are on file at office of Engineering News, New York. Bids are asked until July 16. We are officially advised that a gasoline engine, a steel tank, three miles 4 to 10-in. c.-i. pipe, 24 hydrants and 17 valves are needed.

ATHENS, MICH.—Athens has decided to install a new municipal water-works system.

LANSING, MICH.—M. E. FITZPATRICK, Lansing, has been awarded the contract for the erection of the new auxiliary pumping station authorized by the Board of Electric Light and Water Commissioners.

PAW PAW, MICH.—The proposition to bond the city for $50,000, in order to build water-works plant, has been voted upon favorably.

TALLULA, ILL.—We are officially advised that the following are the bids received June 20 for constructing water-works system: Byrne Construction Co., St. Louis, Mo., $13,-800; Monnagin Construction Co., Bloomington, $14,000; Electric & Steam Engine Co., Chemical Bldg., St. Louis, $12,800. W. R. STOOKEY, Belleville, at $11,875, was awarded contract.

DE PERE, WIS.—Bids are asked until July 17 by the Board of Water Commissioners for a 30-HP. gasoline engine.

MILWAUKEE, WIS.—Bids are asked until Aug. 1 by the Board Public Works, Chas. J. Poetsch, Chn., for furnishing and installing at the North Point pumping station one 20,000,000-gallon pumping engine.

DENVER, IOWA.—Bids are asked until 6 p. m., July 16, for construction of a complete water-works system. (Advertised, Engineering News.)

COUNCIL BLUFFS, IOWA.—The City Council here has closed the contract with W. KIERSTAD, of Kansas City, a water-works expert, to make an estimate on the cost of an entirely new water-works plant for this city.

DELMAR, IOWA.—The Iowa Engineering Co., of Clinton, is making plans for water-works system at Delmar.

HAWKEYE, IOWA.—The contract for installing a water-works system has been awarded the DES MOINES BRIDGE & IRON WORKS.

ALBIA, IOWA.—The contract for the water-works system has been awarded W. D. Lovell & Co., Minneapolis, Minn.—C. A. Bathalow, Yale, Constructing Engineer.

BIWABIK, MINN.—Bids are asked until July 23 by F. M. Butler, Village Recdr., for constructing water-works and sewerage systems.

LOGAN, KANS.—Bids are asked until July 23 for water-works system, including steel tower and tank, gasoline engine and power pump.

LEBANON, KANS.—Bids are asked until July 25 for water-works system. There will be the same materials needed as mentioned in the note above.

MITCHELL, NEBR.—The Secretary of the Interior has rejected all bids for the construction of 135 miles of laterals for the irrigation of lands under the Interstate Canal, North Platte Project, which were recently opened at Mitchell. The bids were rejected on the ground that they were greatly in excess of the estimates and new proposals will be asked for unless the bidders promptly submit lower bids.

MAYVILLE, N. DAK.—We are officially advised that private parties will install water mains in Mayville, to cost about $4,100.

GLASGOW, MONT.—Bids are asked until 2 p. m., Aug. 1, by the Municipality of Glasgow, J. J. Mullins, Clk., for constructing water-works and electric light plant complete. A. W. Mahon is City Engr. (Advertised, Engineering News.)

WHITEFISH, MONT.—Bids are asked until July 25 by the Town of Whitefish, B. F. Maiden, Clk., for construction work on the proposed water-works plant. (Advertised, Engineering News.)

RUSSELLVILLE, ARK.—The city will shortly ask bids for the construction of water-works. Estimated cost, $35,000.

MARIANNA, ARK.—Bids are asked until July 14 for laying 40,344 ft. 8-in. and 694 ft. 10-in. pipe. Max D. Miller is Ch. Bd. Pub. Wks.

SANTA FE, N. MEX.—The Secretary of the Interior has executed a contract with the Elephant Butte Water Users' Association and the El Paso Valley Water Users' Association, to secure to the United States the cost of constructing the Leasburg diversion dam and canal, Rio Grande Irrigation Project, New Mexico.

SAN BERNARDINO, CAL.—The City Water Commissioners will replace the 8 and 6-in. water mains in Third St. with 12 and 8-in. mains, respectively.

ELSINORE, UTAH.—Plans have been prepared by Jensen & McLaughlin for a water-works system to cost $8,000. H. H. Peterson is Member of Water-Works Comn.

PORT ELGIN, ONT.—Bids are asked until 8 p. m., July 24, for pump-house, water tower and foundation, c.-i. pipe and specials, hydrants and valves, boilers and well and gallery. R. Munro is Village Clk.; Willis Chipman is Engr., 103 Bay St., Toronto. Estimated cost, $30,000.

VANCOUVER, B. C.—Bids are asked until July 18 for supply of c.-i. pipe for the city of Vancouver.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

MALDEN, MASS.—Bids are asked until 2.30 p. m., Aug. 3, by the Metropolitan Sewerage Board, 1 Ashburton Pl., Boston, for constructing Section 64, Malden Extension, of the North Metropolitan sewer system. (Advertised Engineering News.)

PORTLAND, ME.—The City Council has appointed a committee to lay out and construct a public sewer along certain public ways here. Nathan Clifford, Mayor, is Chn. of Com.

PEABODY, MASS. — M. McDONOUGH, Swampscott, has contract for constructing Sewer Secs. Nos. 1 and 2, at $59,400. Other bidders were: T. H. Gill & Co., for Sec. 1, $45,955; Essex Trap Rock & Construction Co., $74,455; G. M. Bryne & Co., $67,699; C. E. Trumbull & Co., $66,414; Long & Little Co., $65,796; H. A. Hanscom, Sec. 1, $49,076; John E. Palmer, Sec. 1, $40,803; W. B. Bryne, $70,799.

NORWALK, CONN.—East Norwalk has voted to construct a sewer system throughout the fire district, the district to pay about one-third and the adjoining property owners about two-thirds of the cost. There will be four trunk sewers. Sum of $15,000 authorized to begin work.

ALBANY, N. Y.—See Streets and Roads.

NEW YORK, N. Y.—Bids are asked until 3 p. m., July 20, by John F. Ahearn, Pres. Boro. of Manhattan, for constructing sewers in various parts of Manhattan, and for reconstructing outlet sewer under Pier No. 61, North River.

Bids are asked until 11 a. m., July 25, by Bird S. Coler, Pres. Boro. of Brooklyn, for constructing sewers in 84th, 67th and Dean Sts., and for constructing sewer basins at the junction of Newkirk Ave. and East 18th St.

BUFFALO, N. Y.—Bids are asked until July 17, by the Department of Public Works, F. G. Ward, Comr., for constructing 10, 12, 15 and 18-in. tile sewers in portions of Brewster and Collaton Sts., Durham and Trenton Aves.

SENECA FALLS, N. Y.—The sewer bids received June 28 by the Municipal Board were all rejected, on account of being in excess of the estimate. The bids which were received were as follows: For vitrified pipe and brick manholes, Wilkes-Barre Construction Co., $82,388; D. M. Rosser, Kingston, Pa., $81,843; Theodore D. Allen & Co., Oneida, N. Y.; $86,174. For reinforced concrete pipe and manholes, Wilkes-Barre Construction Co., $81,984; D. M. Rosser, $81,182; Theodore D. Allen & Co., $82,270. There was one bid made for concrete not reinforced. It was that of Theodore D. Allen & Co., for $81,845.

WEST SENECA, N. Y.—The new sewer system, which will cost not less than $50,000, will consist of a trunk line through Ridge Road, with branches in all the main thoroughfares of the town. The sewage is to be pumped into a purifying tank, disinfected, and then pumped into Smoke's Creek.

ORANGE, N. J.—See under Water Supply.

EDGEWORTH (Sewickley Post Office), PA.—We have been officially advised that on June 26 A. M. BOWMAN & CO., 805 Publication Bldg., Pittsburg, were awarded the contract to construct sewers in Edgeworth, Allegheny County, at $44,454. Other bidders on this work were: James H. McQuade & Co., Pittsburg, $48,823; International Construction Co., Alleghany, $46,936; Ott Bros., 414 Washington Ave., Pittsburg, $51,842; Pitt Construction Co., 821 Fulton Bldg., Pittsburg, $58,031; W. M. Chisholm, Pittsburg, $64,281; Thomas Cronin Co., 17th and Muriel Sts., Pittsburg, $51,938; M. O'Herron & Co., First and McKean Sts., Pittsburg, $49,965; J. B. Sheets & Co., Kelly and Martland Sts., Pittsburg, $47,065; D. W. Challis & Sons, Sewickley, $62,983. The estimate of Elliott & Baton, Engrs., Pittsburg, was $42,269.

SAYRE, PA.—We are officially advised that the Borough of Sayre will be ready any time after July 15 to receive bids for construction of a trunk line sewer for Sayre. Charles C. West writes that the committee desires to correspond with a number of sewer system contractors. The sewer under consideration is estimated to cost $25,000.

LANCASTER, PA.—Plans, specifications and bidding sheet for concrete sewers, to be constructed at Lancaster, are on file at office of Engineering News, New York. Bids are asked until July 19.

BALTIMORE, MD.—We are officially advised that bids will be advertised for in a short time for specifications for pumping plant of sewage disposal plant, and that advertisements for bids for the outfall sewer, between five and six miles long, will appear next month. Calvin W. Hendrick is Ch. Engr. Sewerage Comn., American Bldg.

RADFORD, VA.—Bids are asked until July 25, by the Sewer Committee, T. L. Pickles, Chn., for constructing sewer system in Section No. 1. R. L. Jordan is City Clk.

HUNTINGTON, W. VA.—The contracts for constructing Sections 1 and 2 of the proposed sewer system, those touching the Ohio River at the outlet of the sewer into that stream, were awarded to HENRY L. WRIGHT. The other four sections were awarded to KYLE & ULLOM and AMOS TRAINOR.

CROWLEY, LA.—I. W. Sylvester, City Engr., Alexandria, La., has made an investigation of conditions for sewerage system, and reported about $50,000 will be required to install same.

CINCINNATI, OHIO.—Charles N. Danenhower, Ch. Engr., reports to the Board of Public Service that the estimated cost of the proposed 4-ft. sewer from Forest Ave., in Bond Hill, to Bloody Run sewer is $30,000.

Bids are asked until July 20, by the Board of Public Service for construction of new sewers and drains in District No. 4. M. J. Keefe is City Clk.

Bids are asked until July 26, by the Board of Public Service, M. J. Keefe, Clk., for furnishing material and improving six streets by constructing sewers and drains.

COSHOCTON, OHIO.—Bids are asked until July 19, by W. S. Hutchinson, Clk. of the Bd. of Pub. Service, for construction of an 8-in. sewer in Sixth St.

CAMBRIDGE, OHIO.—Bids are asked until noon, July 19, by the Board of Public Service, Sarah Rainey, Secy., for extending sanitary sewers in Cambridge. O. M. Hoge is City Engr.

NEW BREMEN, OHIO.—Bids are asked until July 26, by A. M. Steinway, Village Clk., for the construction of about one mile of sewer.

NEW CASTLE, OHIO.—A $40,000 reduction plant for the disposal of the city sewage will be built at New Castle for the purpose of preventing the pollution of the river from which the city draws its water supply.

INDIANAPOLIS, IND.—Bids will be asked by the Board of Public Works for constructing sewers in West Indiana, estimated to cost $225,000. The Board has adopted plans and will soon ask for bids for construction of sewer in Nowland Ave., to cost about $28,000, a sewer in Kealing St., to cost about $5,300, and a sewer in Armstrong Park, to cost $10,500. Blaine H. Miller is City Engr.

KENDALLVILLE, IND.—Bids are asked until July 17, by the Common Council of the City of Kendallville, for construction of a new line of sewers for city. Robert L. Barr is City Clk.

CRYSTAL FALLS, MICH.—Bids are asked until 8 p. m., July 16, by Robert Munns, City Clk., for labor and material for construction of sewers in Main Sewer District No. 2.

GRAND RAPIDS, MICH.—The contract for the South End sewer, which will afford drainage facilities to almost the entire southeastern part of the city, has been let by the Board of Public Works to THOMAS J. PETERS, of Chicago, for $97,800, $3,000 more than the approximate estimate of L. W. Anderson, City Engr.

BATAVIA, ILL.—Anderson & Scheflow, of Elgin, have been engaged as engineers for the proposed sewer system at Batavia, which will cost in the neighborhood of $45,000.

ELGIN, ILL.—Bids are asked until 2.30 p. m., July 19, for installing sanitary sewers in Hamilton and Highland Aves., and for paving Du Page, Spring and National Sts.

STERLING, ILL.—At a recent meeting of the Board of Local Improvements a resolution was passed authorizing the City Attorney to prepare an ordinance and present it to the Council authorizing the construction of a sewer system in the east end of the city, to be known as the East End Sewer System, to cost approximately $16,700.

DES MOINES, IOWA.—Bids are asked until 11 a. m., July 28, by the Board of Public Works, for about 15,000 ft. of from 8 to 18-in. sewer, to cost about $18,000. We are officially advised that bids will be asked for two more systems, each from three to five miles long. George D. Dotson is City Engr.

OSKALOOSA, IOWA.—Bids are asked until 7.30 p. m., July 16, by C. E. Munroe, City Clk., for the digging, laying, cementing and back filling of 450 ft. of 15-in. sewer pipe; average depth about 13 ft. Also for the digging, laying, cementing and back filling of 400 ft. of 20-in. sewer pipe; average depth about 13 ft. City will furnish tile and cement on ground, and will construct and build the necessary manholes.

BRAINERD, MINN.—Bids are asked until 5 p. m., July 16, by F. E. Low, City Clk., for construction of 340 ft. of 10-in. sewer, 2,225 ft. of 8-in. sewer, 2,195 ft. of 6-in. sewer, 15 manholes, 5 lampholes and 2 flush tanks.

BIWABIK, MINN.—See under Water Supply and Irrigation.

MORRIS, MINN.—Bids are asked until 8 p. m., July 30, by the Common Council, for constructing general sewer and septic tank in several sewer districts. Loweth & Wolff, St. Paul, are Consult. Engrs. Plans and specifications are on file at the office of Engineering News, Chicago. C. B. Burpee is City Clk. (Advertised Engineering News.)

SOUTH OMAHA, NEBR.—Bids are asked until 8 p. m., July 30, by John J. Gillin, City Clk., for constructing sewage system comprising about 8,500 lin. ft. 8 to 11-ft. concrete sewer, 7,000 lin. ft. 4 to 7-ft. concrete sewer, and 16,000 lin. ft. 4 to 18-in. pipe sewer. E. M. Rohrbaugh is City Engr. (Advertised Engineering News.)

KIRKSVILLE, MO.—Kirksville is to have a sewer system installed soon at a cost of $22,000, and N. W. DEARBORN, of Stone City, Iowa, has been awarded the contract.

ST. JOSEPH, MO.—The Board of Public Works has awarded to RACKLIFFE & GIBSON the contract for the paving of and constructing new sewers in Penn St., from 26th to 29th Sts.

CAPE GIRARDEAU, MO.—We are officially advised that HILL-GAYNOR CONSTRUCTION CO., East St. Louis, has secured contract for construction of sewer system at Cape Girardeau, at $59,805. Other bids were: Talbot Construction Co., Logansport, Ind., $62,151; Myers Construction Co., Third National Bank, $62,250; A. B. Carter & Co., Toledo, Ohio, $61,467; Walter Coonan, East St. Louis, $66,768. Granberry Jackson, Nashville, Tenn., is Engr., whose estimate was $61,500.

FAYETTEVILLE, ARK.—It is proposed to construct a sewerage system here to cost from $40,000 to $50,000.

NORMAN, OKLA.—Plans have been prepared for a sewer system to cost $36,000.

MONROE, WASH.—Bids are asked until July 17, by the Town of Monroe, for complete plans, profiles, specifications and estimates of the cost of a proposed sewer system. E. C. Bissell is Clk.

VACAVILLE, CAL.—Bids for construction of sewer system at Vacaville will be received in about two months. E. W. Manuel is Town Clk.

SACRAMENTO, CAL.—The Board of City Trustees has directed the City Surveyor to prepare plans and specifications for a sewage pumping plant.

HAYWARDS, CAL.—The Town Engineer has been authorized to prepare plans and specifications for the repairs to the mouth of the town sewer on the bay shore.

LOS ANGELES, CAL.—The length of sewers ordered and proposed in Los Angeles is 205 miles, and the estimated cost of the complete work is $1,250,000. Harry F. Stafford is City Engr.

LEWISTON, IDAHO.—The City Council has decided to build a sewer system at once, and the City Attorney has been instructed to prepare plans.

OGDEN, UTAH.—Bids are asked until Aug. 4, by A. P. Parker, City Engr., for construction of sewers in Sewer District No. 10. We are officially advised that this is the second time bids have been asked on the same work, the first lot received being too high and therefore rejected.

FAIRVILLE, N. B.—C. Murdoch, Engr., has prepared plans for a sewer system for this village to cost about $34,000.

EDMONTON, ALTA.—The City Council has ratified the plans for the sewer to be built at a cost of $300,000.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

PATERSON, N. J.—The following are reported to be the bids opened on June 28, by the Street Commission of the Board of Aldermen for the disposal of the ashes and garbage of the city for five years: (a) price per yr., (b) totals: PATERSON SANITARY CO. (awarded contract), (a) $37,500, (b) $187,500; Leonard Van Lenten, (a) $34,000, (b) $174,-500; Daniel McCourt, (a) $34,300, (b) $171,-500.

WILMINGTON, DEL.—The following are reported to be the bids opened on June 28, by City Council for collection, disposal, etc., of garbage: (a) Totals for collection and disposal for the first three years and disposal only for the remaining six years, (b) totals for disposal only: Wilmington Reduction Co., (a) $234,295, (b) $175,000; J. George Stocker, Reading, Pa., (a) $126,883, (b) $80,595; Wilmington Sanitary Co., (a) $77,120, (b) $33,850. For collection only, lowest bidders were: District No. 1, Lewis Redding, $4,800; District No. 2, Charles H. Colburn, $7,800; District No. 3, only bidder, Henry Witsil, $9,375; District No. 4, A. G. B. Anderson, $15,300; De Cary Mfg. Co., Minneapolis, 50 cts. per cu. yd.

ELKINS, W. VA.—We are officially advised that the City of Elkins contemplates installing a plant for the disposal of garbage, and wishes to correspond with firms interested in crematories.

OCEAN PARK, CAL.—We are officially advised that the Decarie Mfg. Co., of Minneapolis, Minn., have awarded a contract to the WILLIAMS BROS. BOILER & MFG. CO., of Minneapolis, Minn., for the construction of two all steel water-jacketed incinerators, to be installed at Ocean Park, Cal., and Santa Monica, Cal., and to the AMERICAN BRIDGE CO., Minneapolis, for two steel buildings for the incinerators mentioned above.

EDMONTON, ALTA.—Bids are asked until Aug. 5, by the City Commissioners, for destructors for the City Sanitary Department of Edmonton; population, about 12,000. (Advertised, Engineering News.)

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

BRUNSWICK, ME.—The contract for macadamizing Main St. has been let to RICHARD D. SHANAHAN, Portland, at $7,346.

CONCORD, N. H.—We are officially advised that C. A. BAILEY, Suncook, has contract for constructing roads in Boscawen, Candia and Bradford. A. W. Dean is State Engr.

BOSTON, MASS.—The Metropolitan Park Commission, of Boston, is reported to have voted to extend the Lynn Boulevard at a cost of $190,000.

SWANSEA, MASS.—The contract for constructing state roads in Swansea and Scituate, Mass., have been let to H. E. CUSHING, Seekonk, at $5,327, and W. H. MAGNE, West Newton, at $5,281, respectively. Bids were received July 3 by the Massachusetts Commission.

CANAAN, CONN.—Bids are asked until 2 p. m., Aug. 1, by the Board of Selectmen, H. L. Ross, Chn., for the construction of a section of gravel road at North Canaan.

GREENWICH, CONN.—E. E. BURNS has been awarded the contract for building the road across the dam at Rockwood Lake, his bid being $12,000.

HARTFORD, CONN.—The Highway Commissioner has awarded the contract for the construction of 3,255 ft. of telford road in West Hartford, at $2.49 per lin. ft., to A. BRAZOS & SONS, of Middletown. A contract has also been awarded for 1,400 ft. of macadam road in Pomfret, to H. H. DAVENPORT, of the same town. The price is $5.31 per lin. ft. The total cost will be $7,434.

Contract for laying 5,000 ft. of curbing on Park Terrace has been let to HARTFORD PAVING & CONSTRUCTION CO., at 87 cts. per ft.

NEW YORK, N. Y.—Bids are asked until noon, July 24, by George Cromwell, Pres. Boro. of Richmond, for grading, regulating and paving with brick, asphalt block, iron slag and bituminous concrete, several streets in the Borough of Richmond.

Bids are asked until 11 a. m., July 18, by Bird S. Coler, Pres. Boro. of Brooklyn, for regulating, grading and paving various streets in Brooklyn.

ALBANY, N. Y.—Bids are asked until 3 p. m., July 16, by the Board of Contract and Supply for improving Teunis, Bradford, Mania and South Lansing Sts. Work includes paving with vitrified block, laying flag walks, building receiving basins and laying vitrified pipe sewers. Walter Mellus is City Engr.

ALBANY, N. Y.—The award of contracts for improvement of state highways, for which bids were received on June 28th, 29th and 30th, will be given in Engineering News next week.

BUFFALO, N. Y.—Bids are asked until 11 a. m., July 17, by the Department of Public Works, F. G. Ward, Comr., for repaving Clinton and Ellicott Sts., Whitney Pl. and Broadway.

The Common Council proposes to repave Mariner St., 26 ft. wide, from Virginia to Allen Sts.

The Park Commissioners, G. H. Selkirk, Secy., have awarded to FRANK V. E. BARDOL a contract to construct roadways in Lincoln Park, at $9,230, and to the BARBER ASPHALT CO., contract for paving Niagara Sq., at $17,964.

NEW YORK, N. Y.—Bids are asked until 11 a. m., July 25, by Bird S. Coler, Pres. Boro. of Brooklyn, for regulating, grading and paving various streets in Brooklyn.

JAMESTOWN, N. Y.—Bids are asked until 4 p. m., July 23, by the Board of Public Works for constructing about 16,000 sq. yds. of pavement on Lakeview Ave., Jamestown. C. G. Jones is Acting City Engr. (Advertised, Engineering News.)

ELIZABETH, N. J.—It is proposed to pave the bayway from Staten Island Sound to the Perth Amboy & Elizabethport R. R., to include 11,400 sq. yds. trap block pavement, 176 lin. ft. 2-ft. bridge, 4,934 lin. ft. new curb, etc. W. H. Luster, Jr., is City Surv.

CAMDEN, N. J.—This city is about to lay asphalt pavement, at a cost of $90,000, and is anxious to procure competition on this work. Specifications have been amended so as to allow all contractors to submit bids. H. C. Cramer is City Clk.

WESTFIELD, N. J.—Bids are asked by the Town Council until July 16, for furnishing and laying about 16,000 sq. ft. 2-in. bluestone flagging. A. W. Vars is Town Surv.

PATERSON, N. J.—Bids are asked until July 17, by the Road Committee, for repairing various roads.

EBENSBURG, PA.—J. C. McSPADDEN, of Pittsburg, is stated to have secured the contract for constructing a portion of state road in Cambria Township, at $15,543.

NORRISTOWN, PA.—Bids are asked until 8 p. m., July 16, by S. Cameron Corson, Boro. Engr., for constructing pavement on certain streets along the line of the Norristown, Chestnut Hill and Roxborough Electric Ry. Co., Norristown. An appropriation of $15,000 has been made for the work. Specifications are on file at the office of Engineering News, New York. (Advertised, Engineering News.)

PITTSBURG, PA.—Bids are asked until July 27, by the Board of County Commissioners, for improving about two miles of the Boston Extension Road in Elizabeth Township; also about 2½ miles of the Elizabeth and Monongahela City Road, in Forward Township. Geo. T. Barnsley is County Road Engr., Court House, Pittsburg.

PITTSBURG, PA.—BOOTH & FLINN are reported to have secured the contract for repaving Blair St., at $1.67 per sq. yd.

LEWISTON, PA.—We are officially informed that the contract for grading, paving and curbing Market St., Lewistown, has been awarded to R. W. HENSON, of Geneva, N. Y. William P. Moore is Boro. Engr.

PATTON, PA.—We are officially advised that the Philipsburg Paving Co., Philipsburg, Pa., has secured contract for street paving at Patton, at $10,470. Other bidders were: R. W. Henson, Geneva, N. Y., $11,424; Snapp & Dhrew, Altoona, Pa., $11,704. H. C. Yerger is Boro. Engr.

BALTIMORE, MD.—We are officially advised that J. H. GANTZ & CO., Hoffman Bldg., have been awarded contract for paving Lexington St., between Charles and Liberty Sts., at $3,711. George M. Bateler is Acting City Engr.

WASHINGTON, D. C.—Bids are asked until noon, July 20, by the District Commissioners, for laying asphalt block pavement; also for paving various streets and avenues with sheet asphalt. (Advertised, Engineering News.)

PETERSBURG, VA.—Bids are asked until noon, Aug. 3, by the Street Committee, Petersburg, for laying from 8,000 to 10,000 sq. yds. rubble stone paving on Old St., from Short Market to Canal St. R. D. Budd is City Engr. (Advertised, Engineering News.)

RICHMOND, VA.—It is reported that the contract will soon be let for relaying the walks in Capitol Sq. Probable cost of improvement, $20,000.

MOUNDSVILLE, W. VA.—Bids are asked until July 25, for paving certain streets with vitrified brick. Walter A. McGlumphy is City Clk.

SAVANNAH, GA.—We are officially informed that the contract for paving 10,000 sq. yds. on Gaston St., Savannah, with compressed brick, has been awarded to the Hastings Pavement Co. George M. Gadsden is Dir. Pub. Wks.

JACKSONVILLE, FLA.—Board of Public Works will shortly let contract for paving 182,606 sq. yds. of paving with brick and 47,484 sq. yds. with macadam. Philip Prioleau is City Engr.; John Brice is Supt. Sts.

TAMPA, FLA.—Bids are asked until July 17, by the City Council, for extending the Bayshore Boulevard from the city limits to the foot of Ingram St., a distance of about one mile. R. F. Bettis is County Engr.

MONTGOMERY, ALA.—Bids are asked until July 16, for paving certain streets in Montgomery. R. L. Williams is City Treas.

NEWTON, MISS.—We are officially advised that C. H. DOOLITTLE, Newton, has contract for grading at 35 cts. a yd., and that B. Harding has contract for constructing curbs, gutters and catchbasins. Charles L. Wood, Columbus, Miss., is City Engr.

DONALDSONVILLE, LA.—Bids are asked until 8 p. m., July 25, by Charles Maurin, Mayor, for about 20,000 yds. of vitrified brick or block, sheet or rock asphalt, or bitulithic pavement. William Mackintosh is Engr.

NEW ORLEANS, LA.—On June 25 the Finance Committee of the City of New Orleans received bids for 1,500 tons asphalt for its municipal asphalt paving operations. Bids were presented from the California Asphaltum Sales Agency, the Barber Asphalt Co., the A. L. Barber Co., the Globe Asphalt Co., and the Warren Asphalt Co. The contract was awarded to the CALIFORNIA ASPHALTUM SALES AGENCY, the lowest bidder, at $18.50 per ton.

KNOXVILLE, TENN.—W. C. Crozer, City Engr., has completed specifications for paving 11 improvement districts, and the estimated total cost of the work is $199,307.

COSHOCTON, OHIO.—Bids are asked until July 19, by the Board of Public Service, W. S. Hutchinson, Clk., for paving several streets here.

YOUNGSTOWN, OHIO.—The contract for the Austintown Road work has been sublet to the HOWLEY CONSTRUCTION CO., at $42,000.

Bids are asked until July 13, by the Board of Public Service, for paving eight streets in Youngstown. F. M. Lillie is City Engr.

CINCINNATI, OHIO.—Bids are asked until June 30 by the Board of Public Service, M. J. Keefe, Clk., for setting granite curb, grading and paving with granite the roadway of Shield St., to cost about $22,532; also for same improvements, excepting that asphalt is required instead of granite pavement, on Sherman Ave., to cost $14,256.

CINCINNATI, OHIO.—Bids are asked until noon, July 16, by the Board of Public Service, M. J. Keefe, Clk., for grading, macadamizing, and curbing Halsteadt St., estimated cost $3,006, and Blair Ave., estimated cost $3,845. Charles N. Daeenhower is Ch. Engr.

Bids are asked until noon, July 20, by the Board of Public Service, for grading, paving with granite and setting granite curb on Water St. Estimated cost, $16,317.

Bids will be received until July 26, by the Board of Public Service, for grading, etc., Laomis Ave., to cost about $8,078.

The bids received July 2, by the Board of Public Service, for grading, macadamizing and curbing Winfield Ave., were those submitted by William Fogarty, 2550 Burnet Ave., $6,163; and John Rueble & Bro., 56 Atlas Bank Bldg., $8,461. The only bid received at same time for work on Lehman Ave., $18,310, from John Rueble & Bro.

NEWARK, OHIO.—Bids are asked until July 24, by Sam Huston, State Highway Comr., for constructing highway at Newark. An expenditure of $20,000 will be made to pave Main and High Sts.

INDIANAPOLIS, IND.—Rosefelt Ave. will be paved with brick, Woodlawn Ave. with bituminous macadam, and Pennsylvania and Bird Aves. with brick.

DETROIT, MICH.—The contract for paving and repairing ten streets has been let to the CENTRAL BITULITHIC PAVING CO., at $48,000.

MUNISING, MICH.—A. W. Hall, of Munising, is preparing plans for paving Elm Ave.; also for macadam roads in Alger County, to cost $100,000.

CHICAGO, ILL.—Work on making a boulevard of Sacramento Ave. from Twelfth to Kinzie Sts. will be begun by August 1. The contract for paving the street has been awarded by the West Park Board to the BARBER ASPHALT CO.

ELGIN, ILL.—See under Sewerage.

OSHKOSH, WIS.—Bids are asked until July 21 by the Board of Public Works, W. A. Marden, Chn., for furnishing material, grading, macadamizing and constructing combined curb and gutter in portions of River and Tenth Sts. George H. Randall is City Engr.

FOND DU LAC, WIS.—Bids are asked until July 14, by the Board of Public Works, G. H. Stanchfield, Chn., for constructing an asphalt pavement on Sheboygan St. G. H. Stanchfield is City Engr.

FENNIMORE, WIS.—We are officially advised that BLAKE BROS., Madison, have secured contract for paving at Fennimore at $3,012. William Weaver is Village Clk.

DES MOINES, IOWA.—Bids are asked until 11 a. m., July 21, by Board of Public Works, for paving with one course of No. 1 repressed paving brick and 6-in. Portland cement concrete foundation with Portland cement top filler, the following named streets Washington Ave., from the east line of 16th St. to the east line of 20th St.; about 3,643 sq. yds. of paving, more or less.

WATERLOO, IOWA.—The McCARTHY IMPROVEMENT CO., of Davenport, has been awarded the contract for 40,000 sq. yds. of asphalt paving at Waterloo, the contract price being in the nieghborhood of $80,000.

SEATTLE, WASH.—Bids will be received by C. B. Bagley, Secy. Board of Public Works, about July 14 or July 21, for the paving of Tenth Ave. with asphalt; probable cost, $93,000. H. Dimock, Dist. Engr., is in charge of work.

GIBSON & DONOVAN have secured the contract for grading 38th Ave. North; bids opened June 23, at $7,582.

SALT LAKE CITY, UTAH.—We are officially advised that the following bids were received July 2 for (a) macadamizing First St. from A to J Sts., (b) for macadamizing Second St. from Canyon Road to West St.: P. J. Moran, (a) $25,587, (b) $79,199; Hanley & Ritchie, (a) $30,735, (b) $95,357. Louis C. Kelsey is City Engr.

BOISE, IDAHO.—Bids were received June 21 for laying a bitulithic pavement in District 7, about 21 blocks: The Warren Construction Co., $104,207, and the Kansas Bitulithic Co., $117,758 for bitulithic paving. The Barber Asphalt Co., $84,266, for a bituminous macadam pavement.

LONDON, ONT.—The Board of Works is reported to have awarded paving contracts as follows: Macadam roadway on King St., BLIGHE & FELDER, Chatham, $8,372; brick on York St., FOREST CITY PAVING CO., London, at $10,990; for a Masillon brick pavement on Talbot St., GEARY & LEWIS, London, at $4,420.

OTTAWA, ONT.—The City Council gives notice of its intention to construct concrete sidewalks on Somerset, Bay, MacLaren, McLeod and Botelier Sts., and tar macadam pavement on Nelson St.

NORTH BAY, ONT.—Bids are asked until July 14, for constructing about 14,000 sq. ft. of artificial stone sidewalks in the Town of North Bay. L. O. Clarke is Town Engr.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

BELLOWS FALLS, VT.—It is reported that Simonds, Hatch & Whitten, 32 Otis St., Boston, Mass., are contemplating locating an overall factory here.

LOWELL, MASS.—CHARLES P. CONANT has been awarded the contract for the new mill of the Shaw Stocking Co., on Shaw St. The structure will be 245 × 118 ft. The walls will be of brick and the basement of reinforced concrete.

WORCESTER, MASS.—Contract for the erection of a 4-sty brick factory at Grand and Illinois Sts., for the Crompton-Knowles Loom Works, has been awarded to the J. W. BISHOP CO., at about $37,000. F. P. Sheldon & Co., Providence, R. I., are Archs.

POTTSTOWN, PA.—Bids are being received by the Light Manufacturing Co. for the erection of a 4-story concrete and steel pattern shop, 60 × 100 ft.

AMBRIDGE, PA.—The H. K. Porter Co., Penn Ave. and 52d St., Pittsburg, will have plans drawn at once for a large foundry at Ambridge. Other buildings, to cost in all $1,000,000, will be erected at Ambridge by the same company as fast as possible.

SCRANTON, PA.—We are officially advised that contracts have been awarded for the erection of a 3-story mill, 42 × 104 ft., for the Globe Silk Mfg. Co. H. F. Ziegler is Secy.

CONCORD, N. C.—It is reported that the new Patterson Cotton Mill No. 3 will be erected at once. J. W. Cannon, of Concord, is Pres.

COLUMBUS, MISS.—The Columbus Underwear Co. proposes to make enlargements to its plant at Columbus, which will permit of extensive improvements. It is proposed to build a cotton yarn mill of 5,000 spindles, and to install an equipment for dyeing.

CHATTANOOGA, TENN.—The construction of an addition, 120 × 140 ft., to the annealing department, and the addition of eight new 60-pot ovens, thereby increasing the capacity of the plant 6,000 tons yearly, is proposed by the Ross Meehan Foundry Co.

ELYRIA, OHIO.—The Foyer Stamping Co., formerly of Painesville, Ohio, has started the erection of a large new factory in Elyria.

CAMDEN, OHIO.—The American Seeding Machine Co. are planning the erection of large additions to their plant here.

PERU, IND.—J. B. GOODALL & CO. have been awarded the contract for a large new refrigerator addition to the plant of the Indiana Mfg. Co. here.

MARION, IND.—It is reported that G. P. Butterworth and A. P. Butterworth, of this city, and H. W. Lushey, of Columbus, will establish a shoe factory here with a capital of $75,000. A factory to employ 100 men, and have a daily capacity of 400 pairs of shoes will be built.

DALEVILLE, IND.—The Daleville Mfg. Co. has incorporated for the purpose of building a manufacturing plant. Francis M. Boyer, Jno. P. Kandall and J. N. Barnard are directors.

PLAINWELL, MICH.—W. G. Eady, of Otsego, Mich., and others, have arranged to build a 3-story factory, 50 × 100 ft., for the manufacture of shoes.

DETROIT, MICH.—The Huetteman & Cramer Co., Archs., Beaufait and Mack Aves., have prepared plans and will shortly award contracts for enlarging the plant of the Tivoli Brewing Co., Louis W. Schimmel, Secy., 1553-1567 Mack Ave. The improvement will include storage building, 3-story and basement, 50 × 48 ft.; wash house, 2-story, 48 × 48 ft.; buildings of brick, structural steel, galvanized iron. Asphalt floors and general improvements. Estimated cost, $100,000.

DETROIT, MICH.—The Reinke & Shirray Mfg. Co. has had plans prepared by Baxter & O'Dell, Archs., 1024 Hammond Bldg., for a new factory to be erected at Tenth St. and Lafayette Ave., at a cost of $15,000.

CHICAGO, ILL.—Arthur S. Coffin, Arch., 1607 Scailler Bldg., is preparing plans for an addition to a large manufacturing plant at the southwest corner of Peoria and 121st St., West Pullman, for the Opaque Shade Cloth Co. The company has purchased three acres of land adjoining its plant, and a part of this will be used as a site for the new addition. It will be 4-story, of mill construction, and cost $125,000.

Spaulding & Merrick, 271 Michigan St., a branch of the American Tobacco Co., have purchased 10½ acres of land between 43d and 44th Aves., Colorado Ave. and the tracks of the Belt Line R. R., and will build a tobacco factory there.

Holabird & Roche, Archs., Monadnock Block, will let contracts shortly for a manufacturing building to be built at Congress and Franklin Sts., for the Brooks estate. It will be 10-story, of fireproof steel construction, and cost about $300,000.

OSKALOOSA, IOWA.—The Jamison Furnace Co., of Kansas City, Mo., plan to locate a new factory at Oskaloosa.

ST. PAUL, MINN.—The Russell-Miller Milling Co., of North Dakota, will begin construction work during the present month on a new flour mill in Southeast Minneapolis. The new mill will have a capacity of 4,000 barrels daily, and it is estimated that it will cost $400,000. In connection with the mill the company will build elevators with a capacity of 600,000 bushels of wheat. The full investment in the plant at Minneapolis will be above $500,000.

ST. PAUL, MINN.—Thori, Alban & Fisher, Archs., 502 Chamber of Commerce Bldg., are preparing plans for a 3-story brick and stone piano factory, to be built by S. W. Raudenbush & Co., on University Ave., near Hampden Ave. It will be 52 × 100 ft., heavy mill construction, and cost $50,000.

RAPID CITY, S. DAK.—A large plant will be erected here by the Boynton Scale Co., of Toledo, Iowa.

KANSAS CITY, MO.—The Kansas City Cotton Mills Co., recently organized with a capital stock of $800,000, will erect and place in operation early in the fall its new cotton mills of 10,000 spindles, employing 250 hands and working 5,600,000 pounds of cotton yearly into fabrics. This new mill of Kansas City's manufacturing industry will, it is said, be only the beginning of a great cotton manufacturing plant which the company will erect and equip in the coming three or four years. The officers are William Peet, Pres.; Witten McDonald, Vice-Pres., E. E. Holmes, Secy. and Treas.

SHERMAN, TEX.—The Sherman Cotton Mill has issued bonds for $125,000 and will spend the money in improving the plant.

HOUSTON, TEX.—The construction of new buildings, and the making of improvements, to entail an expenditure of about $100,000, is proposed by the Oriental Textile Mills at Houston Heights.

The Houston Packing Co. will increase its capacity by installing a 200-ton ice plant and other machinery. The improvement will cost about $50,000.

HAGERMAN, N. Mex.—The Hagerman Cement Stone Mfg. Co. has been incorporated at Hagerman by W. S. Davis and others, with a capital stock of $100,000, and will erect a plant for the manufacture of cement.

PORTLAND, ORE.—The Willamette Iron & Steel Co. will build one of the largest and most complete machine shops and boiler plants on the Pacific Coast, at 18th and Front Sts., and will rush construction with all possible speed. The most modern of machinery will be installed for all kinds of boiler and engine work, and a floating dock 200 ft. long will be built in connection.

VANCOUVER, WASH.—Articles of incorporation have been filed for the Columbia Denaturized Alcohol Distilling Co. It is the intention of the company to establish an alcohol factory near Vancouver. Work on the construction will be begun in the near future, and $750,000 will be expended in the new enterprise. Otis B. Wright, of Portland, Ore., is one of the incorporators.

SAN FRANCISCO, CAL.—The Louis Roesch Co., printers, will erect a plant 120 × 200 ft. at Mission and 15th Sts., to cost $100,000. E. A. Hermann is Arch.

MONTREAL, ONT.—The Dominion Textile Co. has filed plans for a new 7-story mill building on St. Ambrose St. The building will cost about $50,000.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters

SEA-WALL.—Coronado, Cal.—WILLIAM CLAYTON, of San Diego, Cal., has been awarded contract for building the sea-wall here.

CORRAL FENCES.—Ft. Ethan Allen, Vt.—Bids are asked until Aug. 3d for constructing corral fences here. Capt. G. C. Barnhardt, Q.-M. (Advertised, Engineering News.)

LEVEE.—Memphis, Tenn.—Bids are asked until noon, Aug. 9, for about 1,851,800 cu. yds. of levee work in First and Second Districts, Mississippi River Improvement. Capt. Wm. D. Connor, Engrs. (Advertised, Engineering News.)

GRADING.—Charlotte, N. C.—Propst Contracting Co., 309 West Trade St., Charlotte, N. C., wants subcontractors on North Carolina County roads and railroad grading. Company reports "a long job, good prices, fine climate, cheap labor."

GRANITE POSTS.—Newport News, Va.—Bids are asked until 3 p. m., Aug. 13, by the Supervising Architect, for placing granite posts, iron railing and board fencing at the U. S. Custom House and Post Office, Newport News. (Advertised, Engineering News.)

BREAKWATER.—Culloden, N. S.—F. Gelinas, Dept. of Public Works, Ottawa, will receive bids up to July 20th for construction of a breakwater here. Plans at the Department and with E. G. Millidge, Antigonish; C. E. W. Dodwell, Halifax, and Postmaster here.

FILLING LOW LANDS.—Rye, N. Y.—Bids will be received by the Hudson Realty Co., 135 Broadway, New York, and by Jacob Leitner, 111 Broadway, for filling of low lands off Rye, N. Y., on Long Island Sound. Area is about 40 acres. (Advertised, Engineering News.)

DRAIN.—Rogers, N. Dak.—Bids are reported to be asked until July 16 by John Logan, Secy., County Drain Comrs., at Valley City, for constructing a drain about six miles long, requiring 21,022 cu. yds. earth excavation; also erecting five bridges over this drain.

REPAIRING TUGBOAT.—New York, N. Y.—Eight bids were received on July 2 by Department of Docks for repairs to the tugboat "Manhattan." The two lowest bidders were James Reilly Repair & Supply Co., 78 Beach St., $17,930; James Shewan, Houston St. and East River, $18,369.

TUNNEL.—Providence, R. I.—The contract for the construction of the New York, New Haven & Hartford railroad tunnel, through the East Side, in Providence, which will allow the running of Fall River trains to the union station, has been awarded to McCABE & BIEHLER, of Tacoma, Wash. Cost will be about $2,000,000.

DREDGING.—Princeton, Ill.—G. A. McWILLIAMS, of Walnut, Ill., was awarded contract by the Drainage Board of the Green River Special Drainage District of Bureau County, for the widening and deepening of 13 miles in Green River. Approximate estimate, 1,500,000 cu. yds.; contract price, 9 4-10 cts. per cu. yd.

DREDGING.—New York, N. Y.—Bids are asked until 11 a. m., July 18th, by Bird S. Coler, Pres. Boro. Brooklyn, for dredging Gowanus Canal, from its head near Butler St., to Ninth St., and in the Fifth St., Sixth St. and Seventh St. basins, in the Borough of Brooklyn. The engineer's estimate of the quantity of material necessary to be dredged is 35,000 cu. yds., scow measurement.

WHARF.—Folrierville, N. S.—F. Gelinas, Dept. of Public Works, Ottawa, will receive bids up to July 21st for construction of a wharf here. Plans at the Department and at offices of C. E. W. Dodwell, Halifax; E. G. Millidge, Antigonish, N. S.; and with Postmaster at Richmond, N. S.

CONCRETE STEEL ARCH DAM.—Prattville, Ala.—Bids are asked until noon, July 24, by the Prattville Cotton Mills & Banking Co., and the Continental Gin Co., at Prattville, for the construction of a concrete-steel arch dam across the Autauga Creek. Edgar P. Ker, Engr., Tuscaloosa, Ala. (Advertised, Engineering News.)

EXCAVATION, STEAM SHOVEL WORK.—Brooklyn, N. Y.—Picklen & Stobaugh, 516 Mechanics' Bank Bldg., Brooklyn, want excavation contractors; free stables, sheds, wheelscrapers; 20,000 yds. Also light steam shovel work; can begin work at once. One hundred per cent. payments every two weeks. (Advertised, Engineering News.)

GRADING, STEEL BARS.—Billings, Mont.—Bids will be received at the office of the Engineer, U. S. Reclamation Service, Billings, Mont., until 2 p. m., Aug. 28, for the construction of structures on Div. 1, Garland Canal, Shoshone project, Wyo. involving about 18,000 cu. yds. grading, 1,800 cu. yds. concrete, placing 127,000 lbs. of steel reinforcing bars, etc. (Advertised, Engineering News.)

CANAL.—Aberdeen, Miss.—The Chuquatoucha Drainage Commissioners in Chickasaw County have let a contract to J. C. F. SPRANKLE, of Fort Wayne, Ind., for constructing a canal 15 miles long and 16 ft. wide, for the drainage of a large area of lands subject to overflow by the Chuquatoucha Creek. The contract bid was $30,000, and, with incidental extras, will amount to $36,000.

CANALS AND DITCHES.—Williston, N. Dak.—Bids are asked, at the office of the U. S. Reclamation Service, Williston, until Aug. 30, for the construction of canals and ditches involving the excavation of about 220,000 cu. yds. of earth and furnishing material and constructing various structures requiring about 40,000 f. b. m. lumber and 1,000 cu. yds. concrete, in connection with Williston project. H. A. Storrs, Elec. Engr., Williston. (Advertised, Engineering News.)

CANAL.—Port Huron, Mich.—Bids are asked until 11 a. m., August 3d, for furnishing all material and labor for the uncompleted portion of the canal from Lake Huron to Black River, in accordance with plans and specifications and contract of the Cuyahoga Contracting Co. This bid will be to take up the work from the point where this contracting company stopped. It is estimated that there are about 270,000 yds. of excavating; double-track railway bridge; one highway bridge (iron on the ground); water gate; and 350 ft. of protection pier. R. D. O'Keefe, Supt. Public Works. (Advertised, Engineering News.)

TUNNEL.—Chicago, Ill.—The contract for Section 2 of the southwest land tunnel, which will cost $771,000, was awarded to the PARKER-WASHINGTON CO., Chamber of Commerce Bldg., the lowest bidder, by William L. O'Connell, Comr. Pub. Works. The tunnel will relieve the southwest section of the city of the present water famine, and the work will be pushed as rapidly as possible. The mains will be constructed of concrete, although the bricklayers' unions protested against this upon the ground that brick is a more durable material. The section of the tunnel to be constructed will run in 73d St., from State St. to Railroad Ave.

DREDGING, GRADING AND BULKHEADING.—Los Angeles, Cal.—Bids are asked until 10 a. m., July 30, for dredging and depositing in fill 2,250,000 cu. yds. in the Outer Harbor of San Pedro, Cal. Or for delivering in fill the same amount of earth from an adjacent borrow-pit by steam shovels and tram in same place; also for constructing 5,200 ft. of wooden bulkhead in same place; also for depositing rip-rap stone to the amount of 75,000 tons in same place. Bidders must inspect the locality of the work personally, and so state in the bid. Gervaise Purcell, Engr. for Outer Harbor Dock & Wharf Co., 312 Wilcox Bldg., Los Angeles (Advertised, Engineering News.)

EXCAVATING, CONCRETE WALL.—Ithaca, N. Y.—Specifications are on file at New York office of Engineering News, for excavating and for building concrete wall, for which bids are asked until July 17 by the Creek Drainage and Park Commission. (Advertised in Engineering News.) The estimated quantities are as follows: 35,000 cu. yds. earth excavation; 1,200 cu. yds. rock excavation; 2,600 cu. yds. concrete wall; 3,500 sq. yds. concrete slope. One-half of the estimated excavation is in a bank 12 to 20 ft. in height, and 50 or more feet in width, the balance being in creek bottom up to a depth of 6 ft. The concrete wall will be 12 ft. high, and the slope wall is to be of concrete slabs 8 × 8 ft. and 4½ ins. thick.

IMPROVING CREEKS, ETC.—Albany, N. Y.—Bids are asked by the State Water Supply Commission, De Graaf Bldg., until noon, July 27, for straightening, deepening, and improving Canaseraga Creek; deepening and improving Kishaqua Creek; deepening, improving and straightening three channels known as the State Ditch, Bradner Creek, and Mud Run, and other ditches; rebuilding the highway bridges, which will be affected by the improvement, and building such farm bridges as may be ordered by the engineer in charge. Proposals will cover the building of about nine bridges of 16-ft. span, three of 20-ft. span, ten of 24-ft. span, ten of 32-ft. span, and two of 40-ft. span, and such grubbing and clearing as may be required to be done; excavation of about 687,500 cu. yds. of earth and other work. (Advertised, Engineering News.)

DAM.—Hermiston, Ore.—Bids were received on June 25th for building 25 miles of canal, extending from the Umatilla River to Cold Spring Reservoir, for the U. S. Reclamation Service. The work involves about 700,000 cubic yards of earth excavation, 6,000 yards of rock work, 2,500 yards of concrete, and 3,600 cubic yards of rip-rap. The storage canal specifications of the Umatilla project were divided into two schedules, for which bids were received as follows: Schedule No. 1—Pacific Coast Construction Company, of Portland, $162,216; Puget Sound Bridge & Dredging Company, Seattle, $112,796; William Stanley & Co., Seattle, $221,866, and H. D. Page, Salt Lake City, Utah, $165,953. Schedule No. 2—Pacific Coast Construction Company, Portland, $62,076; Puget Sound Bridge & Dredging Company, Seattle, $48,592; Lind, Meister & Grant, Portland, $65,452; Newport Land & Construction Company, Echo, Ore., $55,068; William Stanley & Co., Seattle, $96,585; H. D. Page, Salt Lake City, $72,453. Bids were opened June 27 for two parts of the work on the Okanogan, Wash., project, consisting of storage works and a main canal near Conconully, Wash., and embracing 258,000 yards of earth excavation, 29,000 yards of rock excavation, 160 ft. of tunnel, and 2,360 cubic yards of concrete. The labor was in two schedules, and Matthew P. Zindorf, of Twisp, Wash., bid $164,153 on No. 1, which embraced the storage works, and $85,750 on schedule 2, comprising the canal. Two bids were received June 28 on the Umatilla project, Sweeney & Holmes, of Portland, offering to do the work for $383,415, and the Puget Sound Bridge & Dredging Company for $452,584. That is for building the Cold Springs dam near Hermiston, Ore., comprising 694,000 cubic yards of earth and gravel excavation, 3,100 cubic yards of rock excavation, 2,110 cubic yards of concrete, and 35,000 yards of riprap and rock fill. The Okanogan project is intended to irrigate about 10,000 acres on the west bank of the river of that name. The water supply is obtained from Salmon River, having a drainage area of 100 square miles in the eastern foothills of the Cascades. It is expected that the water will be available in 1908. In the Umatilla project are embraced about 20,000 acres, located on the east side of the Umatilla River. The towns of Umatilla and Hermiston are included in its borders. John T. Whistler, project engineer, will establish headquarters at Hermiston, where buildings are being erected at a cost of $5,000.

INDUSTRIAL NOTES.

THE CLIMAX STOCK GUARD CO. reports sales during the month of June of 17 carloads of its "Clay" cattle guards, distributed to the Opelousas, Gulf & Northern Railway, the Illinois Traction System, the Western Ohio Railway, the West Jersey & Sea Shore Railway, and the Staten Island Rapid Transit Co.

THE SPRAGUE ELECTRIC COMPANY announces that it has reopened its office in San Francisco. The former office was destroyed by the earthquake, after which temporary quarters were opened in Oakland. The Sprague Electric Company is now permanently located in the Atlas Building on Mission Street, San Francisco, Cal., where all orders from that territory will receive prompt attention.

THE F. D. CUMMER & SON CO., Cleveland, Ohio, reports the demand for its Cummer self-contained dryers constantly increasing. Within the past few weeks orders have been received from Bona, Algeria, for two dryers for drying phosphate; one from a large paving company for a large dryer for drying sand; one from a large distillery in Chicago, for drying distillery grains; one from Pittsburg for drying glass sand; one from East Liverpool, Ohio, for drying glass sand, and an order for a Cummer direct heat brick dryer from Hillsdale, Ind.

CROCKER-WHEELER COMPANY, of Ampere, N. J., reports among its recent sales the following machines: 21 D. C. motors ranging from 6 to 75 HP. sold to the National Tube Co., of McKeesport, Pa.; one 500-KW. D. C. generator to Pensacola Electrical Terminal Railroad Co., of Pensacola, Fla.; one 100-KW. A. C. generator, engine type, 3-phase, 60-cycle, 240-volt, and one 6½-HP. exciter, 125 volts, to the American Multigraph Co., of Cleveland, Ohio, to furnish power for the motors and lights in their new factory at Cleveland; one 75-HP., 115-volt D. C. motor, to the N. J. Zinc Co., Franklin Junction, N. J.

THE B. F. STURTEVANT CO. has just issued its "Condensed Catalogue" No. 135 of Sturtevant blowers, engines, motors, generating sets, economizers, steam heating apparatus, forges, exhaust heads, etc. It is a remarkably compact publication, and serves as does no other publication of this well-known house to indicate the great variety of its products and the completeness of each distinctive line. The name "Sturtevant" is so generally recognized as synonymous with "Blowers" that it is hardly surprising to find nearly half of the catalogue devoted to the many varieties of these machines. Beginning with the high pressure blowers, capable of creating pressures up to 10 lbs per sq. in., there are listed steel pressure blowers for pressures up to 16 ounces per sq. in., Monogram fans operating up to 5 ounces per sq. in., steel plate fans will a still less limit of pressure, and disk and propeller fans which seldom operate at pressures above 1 ounce per sq. in. Engines, motors, generators and generating sets here occupy a much larger proportion of space than in any previous catalogue published by this company. No less than 80 sizes of engines, 42 of standard motors, and 36 sizes of generating sets are illustrated and listed. Forges in a list of 38 sizes, exhaust heads, steam traps and the like find a place in these pages, while heating, ventilating, drying and mechanical draft apparatus in well-known types are briefly described. New features in the line of Sturtevant products such as economizers and pneumatic separating systems are also shown. This publication has been especially designed as a pigeon-hole catalogue for desk use. As such it will be found to fully meet the requirements.

For other Proposal Advertisements see pages 51, 52, 53, 54, of Advertisements and Construction News page 8.

WATER-WORKS AND ELECTRIC LIGHTS.

Glasgow, Montana.

Sealed proposals will be received by the municipality of Glasgow, Montana, at the office of the clerk of said town, until 2 o'clock p. m. on the 1st day of August, 1906, for furnishing all labor and material and the construction, erection and installation of a water-works and electric light plant, complete in every detail, for the municipality of Glasgow, Montana.

Each proposal must be submitted on the regular blank form furnished by the city engineer's office and plainly endorsed across end of envelope "Proposal for water and light plant," and must be accompanied by a certified check on a local bank for two thousand ($2,000.00) dollars, payable to the city treasurer of Glasgow, Montana.

The installation will include the following:

One steam engine of 100 HP., working not over 120 pounds boiler pressure, and especially adapted for electric lighting, or alternate bid on 100-HP. steam turbine.

One pair of 120-HP. water tube boilers, complete with stack, waterheater, feed pump, pipe fittings, etc., to stand Montana inspection with 160 pounds pressure.

One 560-gallon belt driven triplex pump for 175-foot lift, with check valve, 4-inch by pass and water pressure gage in discharge, and all piping, valves and connections to 12-inch suction in well and to 10-inch main outside of power station.

One 60-KW. belt driven P. A. C. dynamo, wound for 2,300 volts, together with exciter, switchboard and all electrical station equipment.

One brick and concrete pump well.

One brick power-house, including machine foundations.

Electric light pole line with primary and secondary wire system and transformers.

Ten arc lights and all attachments.

Ten incandescent street light in place.

One concrete reservoir 70 feet in diameter and 11 feet deep with gate house, 10-inch waste pipe, 6-inch drain pipe and cast drain grate, 2½-inch washout tap and valves, and 10-inch standard wrought-iron screw pipe with all valves and connections for intake and outlet.

One electric telemeter at reservoir and registering at power-house.

Twenty-six Ludlow pattern fire hydrants with connections in place.

18 lineal feet 12-inch S. W. I. flanged suction pipe in place.

37 lineal feet 10-inch S. W. I. flanged suction pipe in place.

114 lineal feet of 6-inch S. W. I. flanged suction pipe in place.

3,650 lineal feet of 10-inch wire wound wood water main for 100 pounds pressure in place.

5,250 lineal feet of 8-inch pipe, same type, in place.

17,700 lineal feet of 6-inch pipe, same type, in place.

Four 10-inch gate valves with valve boxes in place.

Ten 8-inch gate valves with valve boxes in place.

Thirty-four 6-inch gate valves with 27 valve boxes in place.

Approximately 11,000 pounds of specials.

Approximately 13,775 cubic yards of trench excavation and refill.

126 lineal feet of timber tunnel for well system in place.

All other excavation and all concrete to be paid for by the cubic yard in place as per plans and instructions.

Plans and specifications may be had at the city engineer's office where all enquiries are to be addressed.

The right is reserved to reject any or all bids, or to accept any bid that may prove advantageous to the municipality.

J. J. MULLINS,
Clerk.

A. W. MAHON,
City Engineer. 2-3t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 9, 1906.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 13th day of August, 1906, and then opened, for the Granite Posts, Iron Railing and Board Fencing at the U. S. Custom House and Post Office, Newport News, Va., in accordance with the drawing and specification, copies of which may be had at this office or at the office of the Custodian of the building at the discretion of the Supervising Architect. 2-2t

METROPOLITAN SEWERAGE WORKS.

Malden, Mass.

Sealed proposals will be received at the office of the Metropolitan Water and Sewerage Board, 1 Ashburton Place, Boston, Mass., until 2.30 P. M., of Friday, August 3, 1906, for constructing Section 64, Malden Extension, of the North Metropolitan Sewerage System, located in Malden, in accordance with the forms of contract and specifications to be furnished by the Board. Some particulars are estimated to be as follows: Length, 2,953 feet, including 1,353 feet of 54-inch concrete sewer, 785 feet of 42-inch concrete sewer, 835 feet of 28-inch by 42-inch concrete sewer, approximately 100 cubic yards rock excavation in trench, all in open cut of an average depth of 15 feet. Plans can be seen and specifications and forms of contract can be obtained at the above office. The Board reserves the right to reject any or all bids.

HENRY H. SPRAGUE, HENRY P. WALCOTT, JAMES A. BAILEY, JR., Metropolitan Water and Sewerage Board. WILLIAM M. BROWN, Engineer Sewerage Works. WILLIAM N. DAVENPORT, Secretary. 2-1t

PAVEMENT.

Norristown, Pa.

Bids will be received by the undersigned until 8 P. M., July 16th, 1906, for the construction, complete, of a permanent pavement on certain streets along the Norristown, Chestnut Hill and Roxborough Electric Ry. Co.'s line in Norristown, Pa.

The most pavement that will stand the Norristown, Pa., specification will be laid to the extent of $15,000.

Specifications are on file at Engineering News office and H. S. Spackman Engineering Co., 42 North 16th St., Philadelphia, Pa., and at office of

S. CAMERON CORSON,
Borough Engineer.

WALTER M. SHAW,
Chn. Railway and Highway Committee. 2-1t

FILLING.

Rye, N. Y.

The undersigned are receiving bids for filling of low lands off Rye, New York, on Long Island Sound. Area is about forty acres.

HUDSON REALTY COMPANY
135 Broadway, or 2-1t
JACOB LEITNER, 111 Broadway.

PUMPING ENGINES.

Orange, N. J.

Sealed proposals, endorsed "Proposals for furnishing pumping engines and appurtenances," and addressed to the "Chairman of the Committee on Water," will be received by the City Clerk at the hour of eight o'clock in the evening on Monday, the sixth day of August, A. D. nineteen hundred and six, in the Common Council Chamber, Canfield Street Engine House, and opened publicly at a meeting of the Common Council, to be held on the same evening, in the presence of the bidders who may choose to attend for the following stated purposes, to wit:

Designing, furnishing, erecting complete, one or more 3,000,000 gals. water engines, also one or more 1,250,000 gals. sewage engines.

Each proposal must be accompanied by an undertaking of a Surety Co., authorized to do business in the State of New Jersey, to the amount of the contract.

That it will enter into indemnity bond to that amount upon the award of the contract to the successful bidder.

Specifications may be seen at the office of the City Engineer, Orange National Bank Building.

No bid will be considered unless the party making it shall furnish evidence satisfactory to the Common Council of his experience and ability in this class of work, and his financial ability successfully to prosecute the said contract in case the same shall be awarded him.

Bidders are required to state in their bids their individual names and places of residence in full.

The right to accept or reject a part of any or all proposals is reserved as may be deemed best for the interest of the city.

Dated Orange, N. J., July 3, 1906.

EDWARD S. PERRY,
2-1t Chairman Water Committee.

Contractors Wanted

WANTED.—Excavation contractors, free stables, sheds, wheelscrapers; 200,000 yards; also light steam shovel work; can begin work at once; 100% payments every two weeks. FICKLEN & STOBAUGH, 516 Mechanics' Bank Building, Brooklyn. 2-3t

ELECTRIC RAILWAY.

Hamilton, Canada.

Tenders will be received on or before Friday, 27th July, 1906, for the various works required in the construction of a first-class electric railways between the cities of Hamilton and Galt, and Hamilton and Guelph, a total length of nearly sixty (60) miles.

Plans and specifications may be seen at the office of Thomas E. Hillman, C. E., Hamilton Provident & Loan Building, Hamilton, Canada, to whom all tenders must be addressed.

The lowest or any tender not necessarily accepted.

HAMILTON, WATERLOO & GUELPH RAILWAY CO. 2-1t

PAVING.

Petersburg, Va.

Sealed proposals will be received by the Street Committee of the City of Petersburg, Virginia, for furnishing and laying from 8,000 to 10,000 square yards Rubble Stone paving on Old Street, from Short Market Street to Canal Street.

Plans and specifications can be seen at the office of the City Engineer on and after July 14th, 1906.

All proposals to be addressed to the Street Committee, care of the City Engineer's office, up to 12 noon, August 3d, 1906, and must be accompanied by a certified check for $250.00.

The committee reserves the right to reject any or all bids.

R. D. BUDD,
2-3t City Engineer.

SEWERS.

Morris, Minn.

Separate sealed proposals will be received by the Common Council of the City of Morris, Minn., until 8.00 o'clock P. M. on the 30th day of July, 1906, for the construction of a General Sewer and Septic Tank, District Sewer No. 1 and Joint District Sewers Nos. 1-23, inclusive, Joint District Sewers Nos. 6-10, inclusive, Joint District Sewers Nos. 14-23, inclusive, and the District Sewers in Sewer Districts Nos. 7, 13, 14, 18, 19 and 23.

Proposals must be on blank forms furnished for that purpose and must be accompanied by a cash deposit and duly certified check, made payable unconditionally to the order of the City Treasurer of Morris for at least 15% of the amount of each of said bids, as a guarantee that a contract will be entered into, such bids to be made upon a basis of cash payments for the work and materials in conformity with Section 7 of Chapter 312 of the Laws of the State of Minnesota for 1903.

The right is reserved to reject any or all bids.

Plans and specifications are on file and blank proposals may be obtained at the offices of the City Clerk of Morris, Minn.; Engineering News, Chicago, Ill., and of Loweth & Wolff, Consulting Engineers, St. Paul, Minn.

C. B. BURPEE,
2-1t City Clerk.

THE LYONS AND FULTON BRIDGE CO. will receive bids at the office of J. A. Nattinger, Lyons, Ia., until 12 o'clock, July 25, 1906, for the construction of a steel bridge approach for highway and street car service at Lyons, Ia. The approach will consist of two riveted deck spans of 130 ft. each, two riveted deck spans of about 60 ft., all on cylinder foundations; also about 415 ft. of steel trestle on concrete footings. Drawings, specifications and conditions may be had by addressing J. H. Sawyer, Consulting Engineer, 7346 Harvard Ave., Chicago, Ill. Drawing and specifications may be seen at Room 1636, Monadnock Building, Chicago, Ill. Bid must be addressed to J. A. NATTINGER, Sec. Lyons & Fulton Bridge Co., Lyons, Ia. 2-1t

DEPARTMENT OF THE INTERIOR, Washington, D. C., June 4, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Williston, North Dakota, until 10 o'clock a. m., July 9, 1906, for the installation of steam and electric pumping plants, and electric generating and transmission apparatus, including three pumping stations containing centrifugal pumps of 20 and 30 cubic feet per second capacity under heads of from 30 to 50 feet, driven by steam engines and electric motors aggregating 1,200 horse power; also two 300-KW. steam turbine generating units, a 1,000 horse power boiler plant and accessories, the necessary buildings and 3-mile transmission line, located in the vicinity of Williston, N. D. Particulars may be obtained from the Chief Engineer, U. S. Reclamation Service, Washington, D. C., or from H. A. Storrs, Electrical Engineer, Williston, North Dakota.

E. A. HITCHCOCK, Secretary.

July 3, 1906.—The date of opening bids for the above-described work has been changed from July 9, 1906, to August 14, 1906.

2-3t THOS. RYAN, Acting Secretary.

WATER-WORKS.

Perrysburg, Ohio.

Sealed proposals will be received by the Board of Trustees of Public Affairs of the Village of Perrysburg, Wood County, Ohio, until twelve (12) o'clock noon of Saturday, July 28th, 1906, then to be publicly opened and read by the clerk, for the following machinery for the new water-works pumping station, viz.:

1. Two 40 horse-power triplex power pumps with piping, valves, and other appurtenances.

2. One 40 horse-power gas-gasoline engine with two (2) driving pulleys, clutches and necessary belting.

3. One 2 phase, 60 cycles, 220 volt, 40 horse-power electric motor, alternating current, with starting compensator, oil switches and fuses, lightning arrestors, etc.

4. One 8-inch hub and valve fitted with hydraulic cylinder and electric and hand operating devices.

Bids will be received for the entire plant completely installed or for each item separately, either installed or on board cars, Perrysbury.

Plans and specifications can be seen and blank forms of bids obtained at the office of the Clerk of the Board or the Engineers, The Riggs & Sherman Co., 613 Nasby Bldg., Toledo, Ohio.

The Board reserves the right to reject any bid, or all bids.

Address the bids to Board of Trustees of Public Affairs, Perrysburg, Ohio, endorsed "Proposal for water-works machinery."

R. R. HARTSHORN,
Clerk.

Perrysburg, Ohio, July 5th, 1906. 2-2t

PAVING.

Jamestown, N. Y.

The Board of Public Works of the City of Jamestown, N. Y., will receive sealed proposals for furnishing material and labor for the construction of about 16,000 sq. yds. of pavement on Lakeview Ave. in said city. Proposals will be received for the following kinds of pavement, viz.: Warren's Bitulithic, Block Asphalt, Trap Rock Macadam and Vitrified Brick Block. Each proposal must be accompanied by a certified check, payable to the order of the Board of Public Works of Jamestown, N. Y., in the sum of 5% of the bid price. The party to whom the contract is awarded will be required to furnish a surety company bond for the faithful performance of his contract. Plans and specifications may be seen at the City Engineer's office. Quantities will be furnished upon application to the City Engineer. The Board of Public Works reserves the right to reject any or all bids. Bids will be received until July 23, 1906, at 4 P. M.

W. I. BLYSTONE,
F. A. DORMAN,
C. H. WIBORG,
Board of Public Works, Jamestown, N. Y.
2-1t

CONCRETE-STEEL ARCH DAM.

Prattville, Ala.

Bids for the construction of a Concrete-Steel Arch Dam across the Autauga Creek, at Prattville, Autauga Co., Alabama, will be received until noon, July 24th, 1906, by the Prattville Cotton Mills & Banking Co. and the Continental Gin Co., at Prattville, Alabama.

Specifications, drawings and full information in reference to the proposed work and the form of proposals and contract can be seen by applying to Mr. W. L. Ellis, representing the Prattville Cotton Mills & Banking Co., and Mr. Daniel Pratt, representing the Continental Gin Co., at Prattville, Alabama. The right is reserved to reject any and all bids.

EDGAR B. KAY, Engineer,
2-2t Tuscaloosa, Alabama.

ALTERATIONS.

Albany, N. Y.

Sealed proposals, suitably endorsed on envelope, for removing top of main tower and removing and replacing columns of Assembly staircase (first story) in the Capitol, Albany, N. Y., will be received up to two o'clock P. M. on Monday, the 30th day of July, 1906, by the Trustees of Public Buildings, at the Capitol, Albany, N. Y.

Drawings and specifications may be consulted and blank forms of proposals obtained by application to G. L. Heins, State Architect, Capitol, Albany, N. Y.

The time for completion of the work to be not later than December 15, 1906.

The Trustees of Public Buildings reserve the right to reject any and all bids. 2-2t

DREDGING, GRADING AND BULKHEADING.

San Pedro, Cal.

Sealed proposals, in duplicate, for dredging and depositing in fill 2,250,000 cubic yards, more or less, in the Outer Harbor of San Pedro, California. Or for delivering in fill the same amount of earth from an adjacent borrow-pit by steam shovels and tram in same place; also for constructing 5,200 feet of wooden bulkhead in same place; also for depositing rip-rap stone to the amount of 75,000 tons in same place, addressed to the undersigned, will be received at this office until 10 a. m., Monday, July 30, 1906.

For forms of bids, specifications, maps and other information, apply at this office.

Bidders must inspect the locality of the work personally, and so state in the bid.

The Company reserves the right to reject any or all bids.

GERVAISE PURCELL,
Engineer for the Outer Harbor Dock and Wharf Company, 312 Wilcox Building, Los Angeles, Cal. 2-2t

EXTENSION TO HOT WATER SYSTEM.

Rochester, N. Y.

Sealed proposals, suitably endorsed on envelope, for Extension of Central Hot Water Supply System, Alterations in Return Lines, at Rochester State Hospital, Rochester, N. Y., will be received up to 3 o'clock P. M. on Wednesday, the 25th day of July, 1906, by the State Commission in Lunacy, at the Capitol, Albany, N. Y., when bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposals obtained at Rochester State Hospital, Rochester, N. Y., or by application to G. L. Heins, State Architect, Capitol, Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved.

STATE COMMISSION IN LUNACY,
2-1t T. E. McGARR, Secretary.

Department of Public Works,
Bureau of Filtration,
Office 710 City Hall,
Philadelphia, July 10, 1906.

Sealed proposals, endorsed "Bids for Queen Lane Filter Plant," and addressed to the undersigned, at the office above mentioned, will be received until 12 o'clock, noon, on August 1st, 1906, for Contract No. 41, Constructing a Filter Plant at Queen Lane Reservoir.

Copies of specifications and blank forms upon which bids must be made can be obtained at Room 712, City Hall.

No bid will be considered unless accompanied by a certificate from the City Solicitor that the provisions of an ordinance requiring proposal bonds when the bids exceed in amount five hundred dollars, approved May 25, 1860 (p. 81, West), have been complied with.

The Director reserves to himself the right to reject any or all bids, as he may deem best for the interests of the city.

THOMAS L. HICKS,
2-3t Director.

Situations Wanted

ENGINEER AND SUPERINTENDENT, or manager for large contracting firm, desires change, about July 1, for broader field; technically educated, both civil and mechanical engineering; age 38; M. Am. Soc. C. E.; broad and comprehensive experience in general engineering and contracting, having had full charge of designing and constructing important works during past 12 years. Experience on railways, canals, rivers, harbors, dredging, excavating, earth and rock tunnels, sewers, water-works, reservoirs, docks, wharves, difficult foundations, masonry, massive concrete structures, submerged structures, cofferdams, caissons, estimating cost, bidding on and executing contract work, handling large forces and executing difficult work. Full information on request. Refer. past and present employers. Sober and industrious. Prefer position with contracting firm. Address "H. A. 23," Engineering News, New York. 2-5t

Situations Open

WANTED.—Assistant to engineer of bridges and buildings of railroad constructing, high-class line, in middle South; familiarity with steel and masonry structures, buildings, water stations, shops, etc., necessary; give detailed statement, containing age, education, experience, giving dates in all cases, salary expected, references and date can report. Address "P. 2," Engineering News, New York. 2-1t

WANTED.—Several first-class water tube boiler erectors. Address, ... ence, "M. 2," Engineering ... York. 2-2t

WANTED.—Several first-class ... tailers; permanent positions ... Address "L. 2," Engineering ... York. 2-1t

CHIEF MECHANICAL DRAFTSMAN, technical graduate, experienced ... machinery; good, permanent ... with growing concern in Ohio; state definite qualifications and salary expected. Address "S. 2," Engineering ... York. 2-1t

WANTED IMMEDIATELY, ... thoroughly familiar with ... logarithms, to make ... land surveys, making up ... lating areas, and lot subdivision work; location near New York. ... perience, and salary expected. Address "Z. A. 2," Engineering News, New York. 2-1t

WANTED—Draftsman and office assistant; must be first-class freehand letterer; send samples of work; salary, $100 per month. Address CLIFFORD LEWIS, JR., Civil Engineer, Second National Bank Building, Utica, N. Y. 2-1t

WANTED—Competent superintendent on steel concrete construction; civil engineer preferred; none need apply who have not had previous experience with leading firms; state salary wanted, and possible time of report. Address "P. 1," Engineering News, New York. 2-2t

WANTED.—Mechanical draftsman, one familiar with car work preferred. Accuracy and speed essential. Apply between 9 and 10 A. M., to CONTINENTAL CAR AND EQUIPMENT CO., 17 Battery Pl., New York. 2-1t

SEVERAL first-class draftsmen wanted. Applicants please state experience and salary required. Address "O. A. 2," Engineering News, New York. 2-2t

FOR SALE

FOR SALE.

TWO 66-FEET

Plate Girder Bridges

Single track deck girder. Can be remodeled for highway. 2-1t

W. L. GOTWALS, - - Norristown, Pa.

FOR SALE

One 24 x 48 Second-hand Hamilton-Corliss Engine

SHREVEPORT GAS, ELECTRIC LIGHT AND POWER CO.
2-4t Shreveport, La.

FOR SALE.

A Number of Dump Scows

About 270 yards capacity; also 400 yards.

Address, "W. A. 2," Engineering News, New York 2-1t

FOR SALE

10 Western bottom dump 2-yd. wagons, 20 Auburn carts. 10 rotary cars, 1½ yds. 28 single cart harness. 20 sets wagon harness. Furniture for entire contractors' camp. Vulcan locomotives, 9x14 and 10x16. 1 100-ft. steel truss Span. Capacity, 15-ton engine, followed by a train of cars, 7 tons each. One thousand (1,000) railroad ties. 52 3¼-yd one-way dump cars. 1 70-ton Bucyrus and 1 70-ton Vulcan. 4 Marion G's. 1 6-in. direct connected centrifugal pump. 2 McKelvey ¾-yd. mixers complete.

J. F. DONAHOO,
R. R. Equipment and Contractors' Supplies, Bond Bldg., Washington, D. C. 1-tf

Bridges for Sale

4 75' Deck Girder Bridges; 1 34' Deck Girder Bridge; 2 45' Deck Girder Bridges; 2 24' Deck Girder Bridges; 2 Single Track Rolled I-Beam Girder Bridges; 1 Double Track Rolled I-Beam Girder Bridge.

F. P. JEFFRIES
Genl. Pur. Agt., C. & E. I. Ry.,
2-4t 713 La Salle St. Station, Chicago, Ill.

FOR SALE

CONTROLLING INTEREST or all of a profitable, well-established manufacturing business located at Pittsburg. As plant investment is small, business can be moved to suit purchaser. Manufacturing and sales organization can be retained if desired. Capital required, $25,000 to $50,000. For further information address JOHN J. FITZGERALD, Attorney, Room 1508, Park Building, Pittsburg. 2-2t

BRIDGES FOR SALE

Two iron deck, pin-connected spans, 90 ft. center to center, end pins; one iron deck, pin-connected span, 200 ft. center to center, end pins. Above bridges designed for rolling load of two 66-ton engines followed by 1,500 lbs. per lineal foot. A TELFORD, Pur. Agt., C., N. O. & T. P. Ry. Co., Cincinnati, Ohio.